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SCIENTIFIC PUBLICATIONS OF THE CALIFORNIA ACADEMY OF SCIENCES 1854–2010

Alan E. Leviton, Guinevere O.U. Wogan, and Michele L. Aldrich
with an
Introduction and Historical Overview
Alan E. Leviton and Michele L. Aldrich



CALIFORNIA
ACADEMY OF
SCIENCES

SCIENTIFIC PUBLICATIONS

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Scientific Publications
of the
California Academy of Sciences
1854-2010

PROCEEDINGS

OF THE

CALIFORNIA ACADEMY OF NATURAL SCIENCES.

VOL. 1. SAN FRANCISCO. 1854.

SEPT. 4th, 1854.

Dr. A. KELLOGG in the chair:

Mr. W. J. Steene, by the Ed. of the *Pacific*, presented a curious specimen of cabbage, grown on the Sacramento bottoms, which, instead of a head formed of leaves in the usual manner, has a globular head formed by an enlargement of the top of the main stock, five inches in diameter, and weighing some two pounds or more, perfectly sound, with a thin rind, and of the consistency of the inner portion of a common cabbage stump. It has the shape and appearance of a round, field turnip, except that it has perfectly formed cabbage leaves on its sides and top, occurring at intervals, as on the ordinary cabbage stock.

Dr. Kellogg exhibited a drawing and specimens of a plant from the sea shore and salt marshes of the Bay of San Francisco, the *Frankenia grandifolia*. This plant is often coated with crystals of salt, which has given it the common name of Salt-weed. It is a low herb very much branched, the limbs opposite, with dense clusters of somewhat wedged-shaped leaves folded back or rolled up; within these, are unbosomed small pink flowers—stamens usually 6, pistils 3.

Dr. Ayres presented descriptions of the following species of fish, believed to be new:

Labrus pulcher, Ayres. This species, one of the finest of our fishes, makes its appearance in the market about the first of August, and continues in season till nearly the close of February. They are sold by the fishermen under the name of Blackfish, and are also not unfrequently called Sheepshead.—Specimens are often seen weighing six to eight pounds. My description is taken from one sixteen and a half inches in length, weighing two pounds and a half.

Form very similar to that of *Tautoga Americana*. Greatest depth one-fourth the total length. Length of the head, five inches and one-fourth. Forehead protuberant, especially in large individuals, from an accumulation of fat immediately above the eyes.

Lips thick, loose and fleshy.

Teeth on the intermaxillaries and in the lower jaw alike—consisting externally of a single row, stout and conicle, of which the two anterior pairs are much larger than the others and project forward: within this external row is a band of blunt, rounded teeth, not arranged in regular rows, scarcely projecting above the membranes. No teeth on the palatine bones or the vomer. Teeth on the pharyngeals nearly flat, tesselated tubercles; on the inferior pharyngeal, a few of the anterior ones are distinct, conicle.

Edges of the *operculum* and *preoperculum* destitute of spines or serrations. *Scales* deeply imbedded, not conspicious, elongated subquadrangular, covering the body, the operculum, and the sub-operculum; extending but slightly on the verticle fins.

The rays of all the fins are enveloped in a thickened, partially opaque membrane.

The spinous portion of the dorsal fin is four inches and four-tenths in length; the spines are stout and strong, and one is continued by a fleshy prolongation one to two-fifths of an inch in extent; thus making the height of this portion

Proceedings of the California Academy of Natural Sciences
published on 25 September 1854
The first page is numbered page 3 to allow for the issuance of a title page,
thus page 1 and 2, with the closure of the volume at a later date.



Scientific Publications of the California Academy of Sciences 1854-2010

Alan E. Leviton, Guinevere O.U. Wogan, and Michele L. Aldrich
California Academy of Sciences, San Francisco, California

Introduction and Historical Overview

Alan E. Leviton and Michele L. Aldrich

California Academy of Sciences
San Francisco, California, USA
November 19, 2010

SCIENTIFIC PUBLICATIONS

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Table of Contents

Introduction and Historical Overview vii
Bibliography arranged by senior author 1
Bibliography arranged by publications series 176
Bulletin [1884–1887] 176
Leaflets of Western Botany [1932–1966] 179
Memoirs [1868–2004] 202
Myia [1979–2004] 213
Occasional Papers [1890–2010] 216
Proceedings [1854–2010] 224
Series 1 [1854–1877] 224
Series 2 [1887–1897] 271
Series 3 [1897–1906] 280
Series 4 [1907–2010] 284
Zoe [1890–1908] 338
Miscellaneous publications (including *Flora of Chiapas* series) 345
Author index 353
Subject index (New taxa, geography, discipline) 424

Introduction and Historical Overview

Alan E. Leviton and Michele L. Aldrich

Priority of discovery, the joy and bane of scientists since time immemorial, played a significant role in the early history of the Academy and was the *raison d'etre* for initiating its *Proceedings* publication series.

On 13 June 1853, William P. Gibbons exhibited specimens of a viviparous California fish at the weekly meeting of the fledgling California Academy of Natural Sciences, and he announced that he would shortly present a paper about it (Leviton & Aldrich 1997:19). Six months later, at the meeting held 5 January 1854, Gibbons spoke at length about viviparous fishes and again on 15 May 1854, presented yet another paper in which he gave descriptions of four new species, *Hysterocarpus traskii, Hyperprosopon argenteus, Cymatogaster aggregata*, and *C. minimus*, and this was followed on 22 May with the description of three additional new species (Leviton & Aldrich 1997:25, 29–30). A few months earlier, on 27 March 1854, Academy Corresponding Secretary Gibbons read a letter received from Spencer Fullerton Baird, then Assistant Secretary of the Smithsonian Institution, and to whom tear-sheets of the articles pertaining to the Academy meetings had been sent,[1] in reference to the priority of discovery of viviparous fishes, in which Baird noted that Professor Louis Agassiz of Harvard College had published on the same group of fishes. In a like manner, the Academy received a letter from Dr. John LeConte, then corresponding secretary of the Academy of Natural Sciences of Philadelphia, and a copy of a botanical description of *Wellingtonia gigantia* by John Lindley in the *Gardeners' Chronicle*. In both instances, Academy members Gibbons and Dr. Albert Kellogg challenged the priority claiming that each had published descriptions of the new fishes and of the plant, which Kellogg had named *Washingtonia*, before their Eastern U.S. and British counterparts. The problem, as Baird pointed out, was both Gibbons' and Kellogg's remarks were printed in local weekly newspapers and not in a format that had become acceptable to "scientific men" everywhere (Leviton & Aldrich 1997:29–35). Thus, a committee was established to look into the matter of a formal publication to encompass the "Proceedings and Transactions" of the Academy. On 25 September 1854, 250 copies of the first four-page signature of the *Proceedings of the California Academy of Natural Sciences* was printed by the Congregationlist weekly newspaper, *The Pacific*, from type that had been set to print the reports in its weekly paper. Copies were then sent to Baird who acknowledged receipt on 10 October 1854 and stated, "Dear Sir: I had much pleasure today in answering your letter enclosing the first sheet of Proceedings of the Academy. In [such] a form there will be no difficulty in [maintaining] any [priority] which may exist at the time of publication, although you will find many [who] will contest the validity of any [announcement] in a mere weekly newspaper." (Leviton & Aldrich 1997:33). In passing, it must be noted that the dispute over priority with respect to the viviparous fishes was amicably resolved when Louis Agassiz most courteously acknowledged Gibbons' priority of announcement.

Inasmuch as the first issue of the *Proceedings of the California Academy of Natural Sciences* [ser. 1, 1(1):3–6] contains an article by William Orville Ayres, "Descriptions of species of fish, believed to be new" (Ayres 1854:3–4), the question of dates of publication becomes a matter of concern. Mary K. Curran (later a.k.a. Katharine Brandegee), in considering the dates of publication of botanical names first announced at the early meetings of the Academy, notably by Albert Kellogg, observed "The first volume of the Proceedings of the California Academy was published in the columns of the Pacific, a weekly journal still in existence in this city [San Francisco], and afterward reprinted from the same type for the use of the Society. The date of publication therefore for any species contained in this volume, is four days later than that of the meeting at which it was announced." (Curran 1885, *Bull. Calif. Acad. Sci.* 1(3; 28 Feb.):128–129). However, when considering the dates of issuance of the early four-page signatures in formal *Proceedings* format, they were printed sometime after the appearance of the text in *The Pacific* and before the issuance of the next four-page signature. Thus, signatures including pages 3–6, which contains remarks presented at Academy meetings held on 4 and 11 September 1854, and signature pages 7–10, which includes remarks presented at meetings held on 18 and 25 September and 2 October 1854, were separately printed a short time after the date of the last-cited meeting in each. This sequence continued for another month or so (signature pages 11–14, containing remarks from

[1] Baird's scrapbook containing the clippings is now housed in the Library of Congress. It is grouped in the main collection with the Academy's *Proceedings* at the beginning of the *Proceedings* series.

meetings held on 9, 16, and 23 October 1854) after which time the signatures were dated, so that the signature containing pages 15–18 of papers read at Academy meetings held on 30 October, 27 November, and 4 and 11 December bears the date 25 December 1854, and the signature that begins with page 19, which contains the conclusion of Ayres' remarks presented at the 11 December session as well as presentations at meetings held on 18 December and 25 December, were printed in the signature of pages 19–22 that bears a signature print date of 1 January 1855. In due course, the number of pages per signature increased to 8 and then 16 pages and the signatures were often, but not always, dated.

From 1854 through 1875, the Academy's scientific publications increasingly met the most rigorous standards of journals of the day. Indeed, longer papers were offered for publication so that in 1868, during the tenure of Josiah Dwight Whitney, the head of the California State Geological Survey, as Academy President, a new *Memoirs* series (Fig. A) was begun that was to include among its presentations a seminal paper titled "Principles of the Natural System of Volcanic Rocks," by Baron Ferdinand Freiherr von Richthofen (Fig. B) and another lengthy paper by Leo Lesquereux, "A catalogue of the species of mosses found up to the present time on the Northwest Coast of the United States, and especially in California." Also during the Whitney period, the Academy chose to change its societal name from California Academy of Natural Sciences to California Academy of Sciences, in part to recognize the diverse scientific interests of its expanding membership and the breadth of papers being presented at its meetings. Thus, the *Proceedings* became *Proceedings of the California Academy of Sciences*, although the new name was simply substituted for the older *Proceedings of the California Academy of Natural Sciences* as the title of its flagship publication.

In 1876, the Academy suddenly found itself facing difficult times. Curiously, in 1876, it became the beneficiary of a munificant gift from the estate of millionaire recluse James Lick. It was a case of too much sudden wealth and litigation over the distribution of the estate brought by Lick's son that tied up what monies and property had been bequeathed to the Academy, not to mention internal dissension over how to use the newfound wealth. Thus, the Academy could no longer pay its obligations, most especially to the firm it had engaged to print its *Proceedings*. As a result, printed copies of the *Proceedings* volume for 1876 were not released to the Academy until early 1877, when the Academy paid the printer and acquired the press run. But, further publication of the *Proceedings* was suspended, and it was not until December 1887 that it would again publish a volume of *Proceedings*, starting with series 2, volume 1 with papers by Walter Bryant on birds,Waldemar Lindgren on mineralogy, James Graham Cooper on pulmonate mollusca, Carl and Rosa Smith Eigenmann on gobiid fishes, and others.

During this period, some Academy members became so distraught at the Academy's failure to continue publication of scientific papers that two other publications series, both reasonably short-lived, were launched, the *Bulletin of the California Academy of Sciences* (1884–1887) (Figs. E, F), and a quasi-Academy publication, *Zoe* (1890–1908), started by Harvey Willson Harkness, Townshend Brandegee, and Katharine [Curran] Brandegee despite the fact that the Academy's financial difficulties had been resolved and the Academy was again publishing its *Proceedings* journal. Furthermore, in 1890, the Academy also launched a new publication series, the *Occasional Papers*, initiated (Fig. C) primarily to handle larger papers, the first to appear being Carl and Rosa Smith Eigenmann's 500-plus page revision of South American Nematognathi fishes (Fig. D).

With the opening of its grand new museum building on Market Street in downtown San Francisco, the Academy's financial difficulties seemed a thing of the past. Its new commercial building, a separate structure co-located with the museum, was thriving, and the rapidly expanding membership, which included faculty members from the neighboring universities of Berkeley and Stanford, and research departments with facilities for staff scientists and visitors, as well as facilities for the proper housing of collections and the library, seemed to assure a bright future.

FIGURES (right)

A. Title page of the *Memoirs of the California Academy of Sciences*, vol. 1, 1868. Inset: Josiah Dwight Whitney.

B. Title page of Ferdinand von Richthofen's seminal paper, *Principles of the Natural System of Volcanic Rocks*, published in the *Memoirs* series, vol. 1, 1868. Inset: Baron Ferdinand Freiherr von Richthofen.

C. Title page of the *Occasional Papers of the California Academy of Sciences*, number 1, 1890. Townshend Stith Brandegee (inset) served as editor of the first volume

D. Title page of Carl and Rosa Smith EIgenmann's *Revision of the South American Nematognathi Fishes,* published in the *Occasional Papers* series, no. 1, 1890. Insets: Carl Eigenmann (left); Rosa Smith Eigenmann (right).



MEMOIRS

OF THE

California Academy of Sciences.

VOL. I.

SAN FRANCISCO

1868.

A



MEMOIRS

PRESENTED TO THE CALIFORNIA ACADEMY OF SCIENCES.

VOLUME I.

II. *Principles of the Natural System of Volcanic Rocks.*

By F. Baron Richthofen, Ba. Phil.

[Presented, May 6th, 1867.]

INTRODUCTORY. Among the features peculiar to modern Geology may be noticed a revival of that speculative tendency which prevailed among the cultivators of this science at the close of the last century. But while in those early times imagination exerted a dominant influence in the framing of hypotheses, and discussions between the adherents of different doctrines were conducted with all the bitterness peculiar to such struggles, when neither party has a firm basis upon which to found its arguments, the constant ascendency of the spirit of the inductive method has imparted to those theories more recently propounded a more logical and scientific form, while, at the same time, the increasing amount of positive knowledge has given to the different doctrines a more varied and more definite character, and enlarged the scope of dissenting views.

This renewed tendency to systematize and theorize, which is especially conspicuous in the records of the last twenty years, must be ascribed, partly, to the vast amount of well-established facts gathered during the previous decades, and which have since been multiplied and intensified in a constantly increasing ratio, as regards depth and distinctness of observation as well as the geographical area over which they extend; partly, and in no less degree, to the rapid progress made by those sciences on which geology has to draw for the general laws which are alone capable of affording a philosophical guide to speculation on the basis of facts gained by observing and comparing. The advance of the chemical and physical sciences, especially, has had a

B

Occasional Papers

OF THE



CALIFORNIA

ACADEMY OF SCIENCES.

I.

SAN FRANCISCO,

1890.

C



A REVISION

OF THE



South American Nematognathi

or Cat-Fishes

BY

CARL H. EIGENMANN, Ph. D.

AND

ROSA SMITH EIGENMANN,

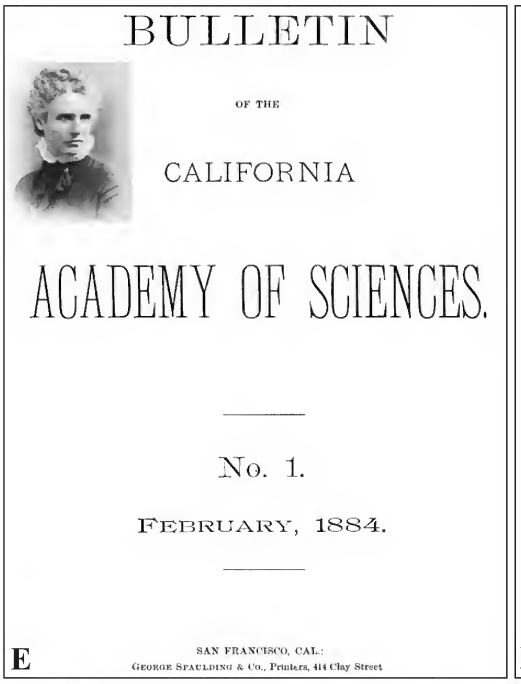
(Curator of Fishes California Academy of Sciences.)

San Francisco:

California Academy of Sciences,

July, 1890.

D



BULLETIN

OF THE

CALIFORNIA

ACADEMY OF SCIENCES.

No. 1.

FEBRUARY, 1884.

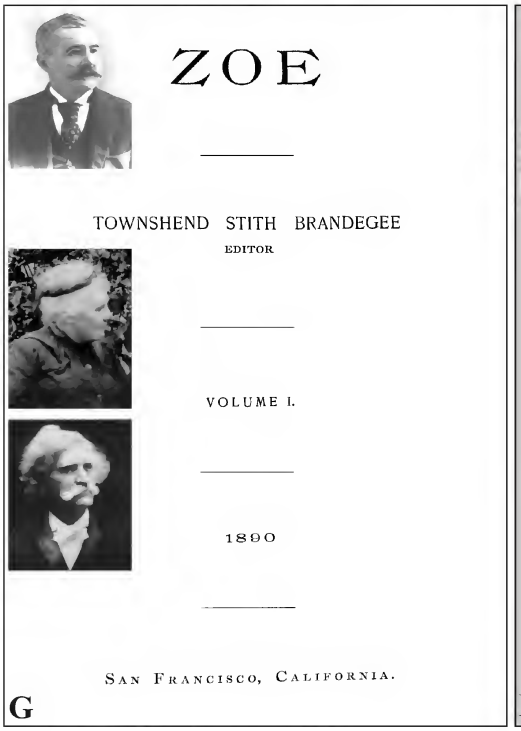
SAN FRANCISCO, CAL.:
GEORGE SPAULDING & Co., Printers, 414 Clay Street

E

THE TYPES OF ALL THE SPECIES DESCRIBED HEREIN ARE DEPOSITED IN THE MUSEUM OF THE CALIFORNIA ACADEMY OF SCIENCES.

Obverse of title page (left)

F



ZOE

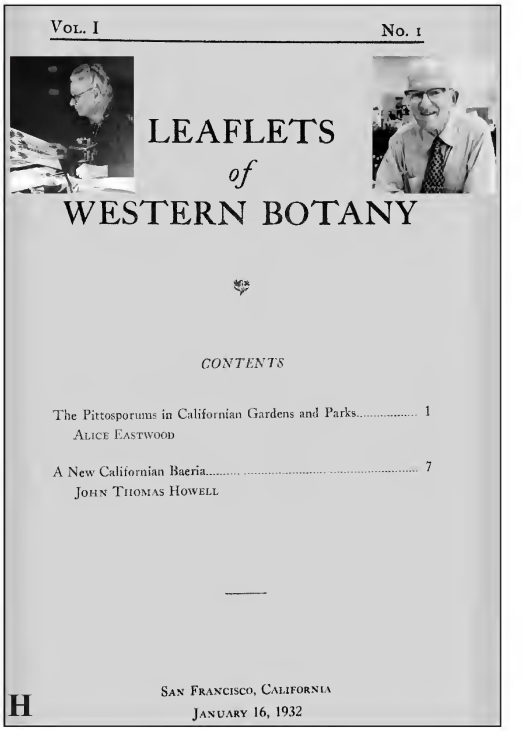
TOWNSHEND STITH BRANDEGEE
EDITOR

VOLUME I.

1890

SAN FRANCISCO, CALIFORNIA.

G



VOL. I No. 1

LEAFLETS
of
WESTERN BOTANY

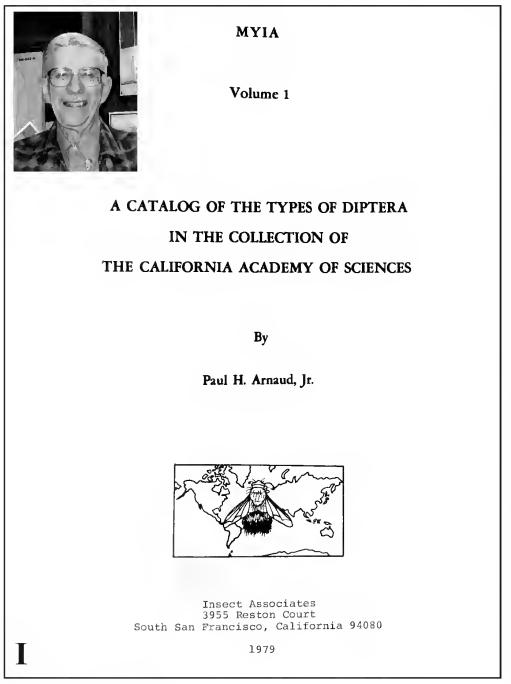
CONTENTS

The Pittosporums in Californian Gardens and Parks..... 1
ALICE EASTWOOD

A New Californian Baeria..... 7
JOHN THOMAS HOWELL

SAN FRANCISCO, CALIFORNIA
JANUARY 16, 1932

H



In 1897, the Academy's officers and trustees decided to sectionalize parts of the *Proceedings*, and so initiated series 3, with sections on Botany, Geology, Mathematics and Physics, and Zoology. Series 3 of the *Proceedings* continued until April 1906 when disaster struck the San Francisco region, the devastating 18 April 1906 earthquake and ensuing fire that were to leave the Academy in shambles with the loss of its precious collections, its library, and its magnificant museum. Recovery was slow, but less than two years later, in December 1907, publication of the fourth series of the *Proceedings* was begun with a paper by John Van Denburgh describing four new races of gigantic land tortoises based on materials brought back by the Academy's 18-month long 1905–1906 Galápagos Expedition, one of the most successful expeditions ever launched by a non-government institution. Van Denburgh's contribution was followed in reasonably quick succession by other reports on the Galápagos collections, on birds by Edward Gifford, also Leverett Loomis and Rollo Beck; on plants by Alban Stewart; insects by Francis Williams, William Wheeler, Morgan Hebard, and others; mollusks by William Healey Dall; and more on tortoises and other reptiles by John Van Denburgh and Joseph Slevin.

Since 1907, the Academy has continued to produce a steady stream of issues of the *Proceedings of the California Academy of Sciences*, at this time (2010), volume 61 of the fourth series, as well as 158 volumes of *Occasional Papers*, since 1890, and 28 *Memoirs*, since 1868. It must be noted that the distinction between what was published as an *Occasional Paper* or *Memoir* blurred over time so that longer papers, whether anthologies or monographs, would be assigned to be published in either series, although the *Occasional Papers* across the years clearly dominated.

Penultimately, two additional quasi-Academy publications deserve note, the *Leaflets of Western Botany* and *Myia*. The former was founded by Alice Eastwood and John Thomas Howell, both curators in the Academy's Department of Botany, in 1932 and continued in publication until 1966 when Howell retired (Eastwood preceeded Howell in retirement by more than a decade). *Leaflets* served as an outlet for numerous short papers in botany.

Myia was initiated by Paul Henri Arnaud, Jr., at the time a curator in the Academy's Department of Entomology. During Arnaud's tenure as curator, seven volumes were published. Following Arnaud's retirement, he arranged for continuation of the series by another institution. Nonetheless, we consider the first seven volumes as quasi-Academy publications and like the *Leaflets*, have included citations from both in this catalog.

The history of the Academy's scientific publications program to 2010 is summarized in Table 1. During the 156 years of publication, more than 4000 titles were published and 9345 new taxa of animals and plants described therein (Fig.1 shows the rate at which new taxa were described for the entire period 1854 to 2010

FIGURES (left)

E. Title page of *Bulletin of the California Academy of Sciences*, vol. 1, 1884. Inset: Mary Katharine Curran, editor of the *Bulletin*.

F. Notice printed on the obverse side of the title page relating to the disposition of type specimens of new taxa described in the *Bulletin*.

G. Title page of *Zoe*, a journal founded by Townshend Stith Brandegee (top inset), Mary Katharine Curran Brandegee (center inset), and Harvey Willson Harkness (bottom inset).

H. Cover page of *Leaflets of Western Botany*, vol. 1, no. 1 (16 January 1932). Insets: Alice Eastwood (left) and John Thomas Howell (right).

I. (above). Title page of *Myia*, founded by Paul Henri Arnaud, Jr. (inset).

TABLE 1. Summary of the Scientific Publications of the California Academy of Sciences arranged by publication series

Publication series	Years	Volumes		Pages
Bulletin	1884-1887	2		938
Memoirs	1868-2004	28		7034
Occasional Papers	1890-2010	158		12349
Proceedings	1854-2010			33737
Series 1	1854-1877*	7	1869	
Series 2	1887-1897	6	3397	
Series 3	1897-1906	9	2882	
Series 4	1907-2010	61	25589	
Quasi-Academy scientific publications				
Leaflets of Western Botany	1932-1966	10		2704
Myia	1979-2004	7		2594
Zoe	1890-1908	5		1804
Miscellaneous Publications (including *Flora of Chiapas* series)		26		6409
			Total	**67569**

* In 1873, the Academy issued a reprint or "second edition" of volume 1 of the *Proceedings*. It is not a precise copy inasmuch as type was reset as were the plates, thus, the pagination of the reprint edition neither precisely matches that of the original nor are the arrangement of images on the plates identical to the original. Thus, users must exercise care when using it *in lieu* of the original publication.

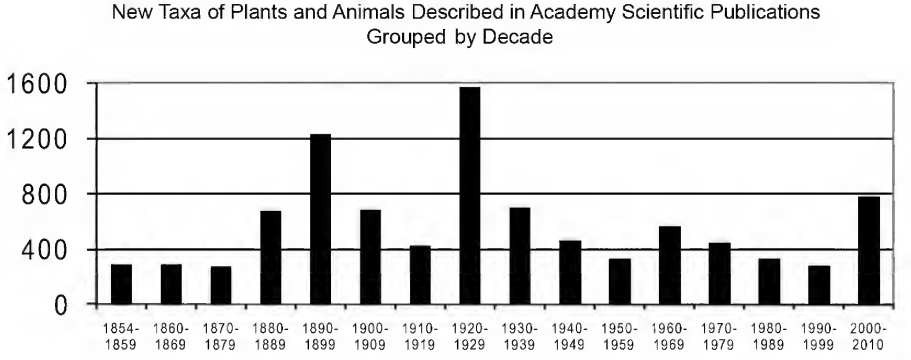


FIGURE 1. Rate of description of new taxa of animals and plants, including genera, species, subspecies, varieties, and forma, the latter two in the botanical sciences only, in the scientific publications of the California Academy of Sciences, 1854 through 2010.

[an average of 59.9 new taxa were described annually but in fact in any given year, the rate varied considerably, ranging from 0 to a high of 331 in 1923]).

With the closing of Volume 61 of Series 4 of the *Proceedings*, the Academy is preparing to venture forth into the electronic age of publication, to close its venerable *Proceedings* publications series and to launch a new approach to publication of contributions in systematics and biodiversity to take advantage of new technologies, to provide open access to its wealth of scientific information, and to insure wider dissemination of information about the natural world in which we live.

Acknowledgments

We want to take this opportunity to thank California Academy of Sciences' Librarian, Rebecca Morin, and Archivist, Danielle Castronovo, for their assistance in locating volumes of Academy publications and for the images, which are derived from the Academy Archives. Larry Currie, former Academy Librarian, also provided significant assistance with our searches. And to Mark Aldrich, we owe a special thanks for assembling the graph (Fig. 1) showing the distribution of new taxa descriptions across the 156-year history of Academy scientific publications.

Last but not least, we are indebted to our colleagues, Tom Daniel, Tomio Iwamoto, David Kavanaugh, John McCosker, and Gary C. Williams, who kindly checked selected sections based on their areas of expertise and helped us avoid embarrassing typographical and other errors. Needless to say, we are most grateful for their efforts, but we must also note that thoses errors that remain are our doing and for these not only do the authors accept full responsibility but apologize to all for their presence.

Alan E. Leviton and *Michele L. Aldrich*

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Scientific Publications of the California Academy of Sciences 1854-2010

Arranged by Author

List created 14 October 2010

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[2] Abe, Tokiharu, and William Neal Eschmeyer. 1972. A new species of the scorpionfish genus *Helicolenus* from the North Pacific Ocean. *Proceedings of the California Academy of Sciences*, ser. 4, 39(4[6 April]):47-53, 2 figs., 1 table.

[3] Abrams, LeRoy. 1933. Two introduced species of *Atriplex* in the San Francisco Bay region. *Leaflets of Western Botany* 1(5[19 January]):44.

[4] Abrams, LeRoy. 1934. Notes on some type specimens of *Arctostaphylos*. *Leaflets of Western Botany* 1(9[30 January]):84-87.

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[6] Acosta-Solis, Misael. 1963. Protection and conservation problems on the Galapagos Islands. *Occasional Papers of the California Academy of Sciences* (44.10 [8 November]):141-154, 2 figs.

[7] Addicott, Warren O. 1963. Interpretation of the invertebrate fauna from the Upper Pleistocene Battery Formation near Crescent City, California. *Proceedings of the California Academy of Sciences*, ser. 4, 31(13 [20 May]):341-347.

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[131] Ashri, Amram, and P. F. Knowles. 1959. Further notes on *Carthamus* in California. *Leaflets of Western Botany* 9(1[13 March]):5-8.

[132] Asklock, Peter D. 1972. The Lygaeidae of the Galápagos Islands (Hemiptera: Heteroptera). *Proceedings of the California Academy of Sciences*, ser. 4, 39(8 [5 September]):87-103.

[133] Auroi, Charles, and Hans Briegel. 1985. Energy reserves and carbohydrate feeding in field-caught, female horse flies (*Haematopota pluvialus*) (Diptera: Tabanidae). *In* Paul Henri Arnaud Jr. and Robert S. Lane, eds., Contributions to the Study of Tabanidae (Diptera) in Honor of Cornelius Becker Philip on the Occasion of his 85th Birthday. *Myia* 3([30 August]): 403-414, figs. 1-2, tables 1-3.

[134] Axelrod, Daniel I. 1979. Age and origin of Sonoran desert vegetation. *Occasional Papers of the California Academy of Sciences* (132[12 June]):1-74, 27 figs., 8 tables.

[135] Ayres, William Orville. 1854. [Descriptions of species of fish, believed to be new]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1): 3-4.

(Presented at the Academy meeting held on 4 September 1854. The 4-page signature (including pp. 3-6) containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 3-4) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[136] Ayres, William Orville. 1854. [Descriptions of new species of *Sebastes*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):5-6.

(Presented at the Academy meeting held on 11 September 1854. The 4-page signature (including pp. 3-6) containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (15 September 1854). The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 5-6) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[137] Ayres, William Orville. 1854. [Further comments on fish species found in the San Francisco markets]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):7-8.

(Presented at the Academy meeting held on 18 Septem-

ber 1854. The 4-page signature (pp. 7-10, which includes this presentation) was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (22 September 1854). The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 7-8) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[138] Ayres, William Orville. 1854. [Descriptions of two new fishes, *Morrhua Californica* and *Grystes lineatus*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):9-10.

(Presented at the Academy meeting held on 2 October 1854. The 4-page signature (including pp. 7-10) containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (6 October 1854). The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 8-10) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[139] Ayres, William Orville. 1854. [Description of a new species of fish, *Clypeocottus robustus*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):11-12.

(Presented at the Academy meeting held on 9 October 1854. The 4-page signature (including pp. 11-14) containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (13 October 1854). The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 10-11) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[140] Ayres, William Orville. 1854. [Descriptions of some fish]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):13-14.

(Presented at the Academy meeting held on 23 October 1854. The 4-page signature (including pp. 11-14) containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (27 October 1854). The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 12-13) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[141] Ayres, William Orville. 1854. [Sturgeons found in our waters]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[25 December]):15-16.

(Paper presented at the Academy meeting held on 27 November 1854. Signature containing this presentation was print dated 25 December.

This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (1 December 1854). The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 15-16 of this paper bears the date December 25, 1854.

The article was reprinted in 1873 (pp. 14-16) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[142] Ayres, William Orville. 1854. [Descriptions of fishes]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[25 December]):17-18.

(Paper presented at the Academy meeting held on 4 December 1854. Signature containing this presentation was print dated 25 December.

This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (8 December 1854). The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 17-18 of this paper bears the date December 25, 1854.

The article was reprinted in 1873 (p. 16-17) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[143] Ayres, William Orville. 1854-1855. [Descriptions of fishes]. *Proceedings of the California Academy of*

Natural Sciences, ser. 1, 1(1[25 December/1 January]): 18-19.

(Paper presented at the Academy meeting held on 11 December 1854.

This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (15 December 1854). The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing p. 18 (pp. 15-18) of this paper has a signature print date of 25 Dec.; the signature including p. 19 of this paper has a print date of 1 January 1855 (signature pp. 19-22) and includes additional remarks presented at Academy meetings held on 18 and 25 Dec.

The article was reprinted in 1873 (p. 17-18) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[144] Ayres, William Orville. 1855. [Two new cyprinoid fish]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[1 January]):20-21.

(Paper presented at the Academy meeting held on 18 December 1854. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (22 December 1854). The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 20-21 has a print date of 1 January 1855.

The article was reprinted in 1873 (p. 18-20) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[145] Ayres, William Orville. 1855. [Description of a new Cyprinoid fish]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[1 January]):21-22.

(Paper presented at the Academy meeting held on 25 December 1854. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (29 December 1854). The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 20-21 has a print date of 1 January 1855.

The article was reprinted in 1873 (pp. 20-21) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[146] Ayres, William Orville. 1855. [On two species of *Liparis*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[1 February]):23-24.

(Paper presented at the Academy meeting held on 8 January 1855. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (12 January 1855). The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 23-24 has a print date of 1 February 1855.

The article was reprinted in 1873 (p. 21-23) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[147] Ayres, William Orville. 1855. [Descriptions of fishes]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[1 February]):25-27.

(Paper presented at the Academy meeting held on 22 January 1855. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (26 January 1855). The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 25-27 has a print date of 1 February 1855.

The article was reprinted in 1873 (p. 24-26) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[148] Ayres, William Orville. 1855. [Description of a lamprey]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[19 February]):28.

(Paper presented at the Academy meeting held on 5 February 1855. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (9 February 1855). The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing p. 28 has a print date of 19 February 1855, but it is likely it was actually printed a few days later, most likely before 26 February and certainly before 12 March 1855.

The article was reprinted in 1873 (p. 26-27) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[149] Ayres, William Orville. 1855. [On a specimen representing a new generic type among fishes]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):31-32.

(Paper presented at the Academy meeting held on 26 February 1855. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (2 March 1855). The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp.

31-32 is not dated but assuredly was printed before 12 March 1855.

The article was reprinted in 1873 (pp. 30-31) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[150] Ayres, William Orville. 1855. [Description of a new fish species, *Catostomus labiatus*, with additional remarks on *Catostomus*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):32-33.

(Paper presented at the Academy meeting held on 5 March 1855. The obverse side of p. 33, on which the description appears, that is p. 34, bears the signature date of 12 March so that it is likely that the signature bearing this and several early presentations following 19 February (i.e., pages 31-34) were printed late in the evening of 12 March.

However, the presentation did not appear in the *The Pacific*, a newspaper published in San Francisco, until 16 March 1855. Ordinarily, the newspaper columns were then rearranged and printed in a signature in *Proceedings* style following their publication in the newspaper; but the *Proceedings* signature bearing the Ayres presentation is dated 12 March, a discrepancey that is difficult to explain. Whatever the case, the latest date for the appearance of the new taxon is 16 March 1855.

The article was reprinted in 1873 (p. 31-32) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[151] Ayres, William Orville. 1855. [Description of a new ichthyic type]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):33-34,35.

(Paper presented at the Academy meeting held on 12 March 1855. The obverse side of p. 33, that is p. 34, bears the signature date of 12 March so that it is likely that the signature bearing this and several early presentations following 19 February (i.e., pages 31-34) were printed late in the evening of 12 March. Page 35 is part of the four-page signature that bears printing the date 26 March. However, the presentation did not appear in the *The Pacific*, a newspaper published in San Francisco, until 23 March 1855. Ordinarily, the newspaper columns were then rearranged and printed in a signature in *Proceedings* style following their publication in the newspaper; but the *Proceedings* signature bearing the Ayres presentation is dated 12 March, a discrepancey that is difficult to explain. Whatever the case, the latest date for the appearance of the new taxon is 23 March 1855.

The article was reprinted in 1873 (p. 32-35) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[152] Ayres, William Orville. 1855. [Remarks on an abnormal development of a canine fetus]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):37.

(Paper presented at the Academy meeting held on 19 March 1855. Pages 35-38 constitute a four-page signature that bears the printing date 26 March. But, because the issue of *The Pacific* did not appear until 30 March 1855, there is a question about the dating of the signature preceding publication of the newspaper.)

[153] Ayres, William Orville. 1855. [A new flounder]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[2 April]):40-41.

(Paper presented at the Academy meeting held on 2 April 1855. The presentation appeared in the *The Pacific*, a newspaper published in San Francisco, on 6 April 1855. Ordinarily, the newspaper columns were then rearranged and printed in a signature in *Proceedings* style following their publication in the newspaper; but it is uncertain when the *Proceedings* signature bearing the Ayres presentation was issued other than in early April. Whatever the case, the taxon must be dated as of 6 April 1855.

The article was reprinted in 1873 (p. 39-40) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[154] Ayres, William Orville. 1855. [Descriptions of fishes]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[April]):43-45.

(Paper presented at the Academy meeting held on 16 April 1855. The presentation appeared in the *The Pacific*, a newspaper published in San Francisco, on 20 April 1855. Ordinarily, the newspaper columns were then rearranged and printed in a signature in *Proceedings* style following their publication in the newspaper; the signature including pages 43-45 carries only the month, April, but it is flanked by signatures dated April 9 and April 30. Nonetheless, the taxon can be dated as of 20 April 1855.

The article was reprinted in 1873 (p. 42-44) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[155] Ayres, William Orville. 1855. [On a fish believed to be new]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):47-48.

(Paper presented at the Academy meeting held on 30 April 1855. The *Proceedings* pages 47-48 are included

in a 6-page signature [47-52] dated April 30. However, the presentation appeared in the *The Pacific*, a newspaper published in San Francisco, on 4 May 1855. Ordinarily, the newspaper columns were printed first and then rearranged and printed in a signature in *Proceedings* style following their publication in the newspaper. Whatever the case, the taxon can assuredly be dated as of 4 May 1855.

The article was reprinted in 1873 (p. 46-47) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[156] Ayres, William Orville. 1855. [Remarks on the ground mole]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):54.

(Paper presented at the Academy meeting held 21 May. Two pages, 53-54, are undated but they must have been printed in May because they are followed by a signature dated May, 1855.)

[157] Ayres, William Orville. 1855. [On a new species of fish of the genus *Apodichthys*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):55-56.

(Presented at the Academy meeting held on 21 May and printed shortly thereafter, during the month of May.)

[158] Ayres, William Orville. 1855. [On a new fish of the genus *Cebidichthys*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):58-59.

(Presented at the Academy meeting held 4 June. Page 58 is undated but it is sandwiched in between pages 55-56, dated May, 1855, and 59, which is dated July 1855)

[159] Ayres, William Orville. 1855. [Remarks on the skull of a sea lion from the Farallon Islands]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1): 61.

(Presented at the Academy meeting held 25 June 1855; pages 60-61 were printed sometime in July 1855.)

[160] Ayres, William Orville. 1855. [A new scomberoid fish]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):62-63.

(Presented at the Academy meeting held on 2 July; pages 62-63 were printed sometime in July 1855.)

[161] Ayres, William Orville. 1855. [Description of a new species of whiting]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):64.

(Presented at the Academy meeting held 16 July and printed in August.)

[162] Ayres, William Orville. 1855. [Description of a fish representing a type, entirely new to our waters]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):66-67.

(Presented at the Academy meeting held on 6 August 1855 and printed in August and/or September.)

[163] Ayres, William Orville. 1855. [Remarks on the Echinodermata of the coast of California]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):68.

(Presented at the Academy meeting held 20 August 1855 and printed in September.)

[164] Ayres, William Orville. 1855. [On a new species of cramp fish, *Torpedo*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):70-71.

(Presented at the Academy meeting held 10 September 1855 and printed sometime later in September.)

[165] Ayres, William Orville. 1855. [Remarks on and description of a shark of a new generic type]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):72-73.

(Presented at the Academy meeting held 8 October 1855 and printed sometime in November.)

[166] Ayres, William Orville. 1855. [Comments on some fish referred to the genera *Hemilepidotus* or *Scorpaenichthys*, with description of a new genus and species]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):75-77.

(Presented at the Academy meeting held on 24 December 1855 and published by year's end on 31 December.)

[167] Ayres, William Orville. 1855. [Remarks on a collection of fishes made by Lieut. W.P. Trowbridge at or near Cape Flattery, W.T.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):75.

[168] Ayres, William Orville. 1856. [Description of a new species of mackerel]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):92.

(Presented at the Academy meeting held 20 October 1856. Also reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 101-102 [*q.v.*])

[169] Ayres, William Orville. 1859. [On new fishes of this [California] coast]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:25-32.

(Presented at the Academy meeting held 17 October 1859. Outline figures for the new species were published in 1860[see pp. 53-59].)

[170] Ayres, William Orville. 1860. [Description of a new genus to accommodate *Brosmius marginatus* Ayres, 1854]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:52-59.

(Presented at the Academy meeting held 2 July 1860.)

[171] Ayres, William Orville. 1860. [Outline figures of species of fish described in a paper read before the Academy on October 17th, 1859]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:53-59, figs. 4-10.

(These outline figures are meant to accompany Ayres' earlier descriptions of new species (see Ayres, 1859, pp. 25-32).)

[172] Ayres, William Orville. 1860. [Descriptions of new fishes]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:60-64, figs. 11-12.

(Presented at the Academy meeting held 6 August 1860.)

[173] Ayres, William Orville. 1860. [Descriptions of two new species of *Atherinopsis*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:73-77, figs. 17-19.
(Presented at the Academy meeting held 1 October 1860.)

[174] Ayres, William Orville. 1861. [Descriptions of new species of fishes found in San Francisco markets]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:77-81, figs. 20-21.
(Presented at the Academy meeting held 5 November 1860; pages 77-81 are included in the volume signature that was printed sometime after 4 February 1861.)

[175] Ayres, William Orville. 1861. [Descriptions of new fishes]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:81-86, figs. 22-23.
(Presented at the Academy meeting held 3 December 1860; pages 81-86 are included in the volume signature that was printed sometime after 4 February 1861.)

[176] Ayres, William Orville. 1862. A new ichthyic form, from the coast of Lower California. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2: 156, 157-158, fig. 48.
(The signature including page 156 may have been printed in April 1862, but based on the change in untrimmed paper size, it appears that it was printed along with pages 157-158 in September 1862 the date printed at the bottom of p. 157. The paper was presented at the Academy meeting held on 1 December 1861.)

[177] Ayres, William Orville. 1862. [Some remarkable facts connected with the recent floods in this State]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:163.
(Presented at the Academy meeting held 3 February 1862; page included in an undated 8-page signature issued sometime between September and December 1862.)

[178] Ayres, William Orville. 1863. [Statement in regard to *Sebastes rosaceus* and *S. ruber*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([Jan]): 206-208, figs. 62-62.
(Paper read at the Academy meeting held 3 November 1862.)

[179] Ayres, William Orville. 1863. [Fishes believed to be new . . . with remarks in relation to the fishes of California, which are included in Cuvier's genus *Sebastes*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([January]):209-218, figs. 64-68.
(Presented at the Academy meeting held 3 November 1862.)

[180] Ayres, William Orville. 1863. [Remarks in relation to the genus *Notorhynchus*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([April]):15.
(Comment presented at the Academy meeting held 2 March 1863; page 15 is included in a 16-page signature dated April 1863.)

[181] Ayres, William Orville. 1863. [Remarks on a specimen of barnacle found floating at sea]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[November]):66-67.
(Remarks presented at the Academy meeting held on 7 September and published in a 16-page signature dated November 1863.)

[182] Ayres, William Orville. 1873. [Descriptions of species of fish, believed to be new]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):3-4.
(Paper presented at the Academy meeting held on 4 September 1854. The 4-page signature containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.
The article was reprinted in 1873 (pp. 3-4) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[183] Ayres, William Orville. 1873. [Descriptions of new species of *Sebastes*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):5-6.
(Paper presented at the Academy meeting held on 11 September 1854. The 4-page signature containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.
The article was reprinted in 1873 (pp. 5-6) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[184] Ayres, William Orville. 1873. [Further comments on fish species found in the San Francisco markets]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):7-8.
(Remarks presented at the Academy meeting held on 18 September 1854. The 4-page signature containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged

and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 7-8) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[185] Ayres, William Orville. 1873. [Descriptions of two new fishes, *Morrhua Californica* and *Grystes lineatus*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):8-10.

(Paper presented at the Academy meeting held on 2 October 1854. The 4-page signature containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 8-10) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[186] Ayres, William Orville. 1873. [Description of a new species of fish, *Clypeocottus robustus*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):10-11.

(Paper presented at the Academy meeting held on 9 October 1854. The 4-page signature containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 10-11) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[187] Ayres, William Orville. 1873. [Descriptions of some fish]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):12-13.

(Paper presented at the Academy meeting held on 23 October 1854. The 4-page signature containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 12-13) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[188] Ayres, William Orville. 1873. [Sturgeons found in our waters]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):14-16.

(Remarks presented at the Academy meeting held on 27 November 1854. Signature containing this presentation was print dated 25 December.

This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 15-16 of this paper bears the date December 25, 1854.

The article was reprinted in 1873 (pp. 14-16) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[189] Ayres, William Orville. 1873. [Descriptions of fishes]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):16-17.

(Paper presented at the Academy meeting held on 4 December 1854. Signature containing this presentation was print dated 25 December.

This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 17-18 of this paper bears the date December 25, 1854.

The article was reprinted in 1873 (p. 16-17) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[190] Ayres, William Orville. 1873. [Descriptions of fishes]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):17-18.

(Paper presented at the Academy meeting held on 11 December 1854.

This presentation was printed first in *The Pacific*, a

newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 18-19 of this paper was printed sometime between 25 December 1854 and 1 January 1855.

The article was reprinted in 1873 (p. 17-18) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[191] Ayres, William Orville. 1873. [Two new cyprinoid fish]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):19-20.

(Paper presented at the Academy meeting held on 18 December 1854.

This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 20-21 of this paper was printed sometime between 25 December 1854 and 1 January 1855

The article was reprinted in 1873 (pp. 19-20) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[192] Ayres, William Orville. 1873. [Description of a new Cyprinoid fish]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):20-21.

(Paper presented at the Academy meeting held on 25 December 1854. Signature containing this presentation was print dated 1 January 1855, pp. 20-21.

The article was reprinted in 1873 (pp. 20-21) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[193] Ayres, William Orville. 1873. [On two species of *Liparis*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):22-23.

(Paper presented at the Academy meeting held on 8 January 1855. Signature containing this presentation [pp. 23-24] was print dated 1 February [1855].

The article was reprinted in 1873 (pp. 22-23) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[194] Ayres, William Orville. 1873. [Descriptions of fishes]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):24-25.

(Paper presented at the Academy meeting held on 22 January 1855. Signature containing this presentation [pp. 25-27] was print dated 1 February [1855].

The article was reprinted in 1873 (pp. 24-25) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[195] Ayres, William Orville. 1873. [Description of a lamprey]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):27.

(Paper presented at the Academy meeting held on 5 February 1855. Signature containing this presentation [p. 28] was print dated 19 February [1855], but it is likely it was actually printed a few days later, most likely before 26 February and certainly before 12 March.

The article was reprinted in 1873 (pp. 27) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[196] Ayres, William Orville. 1873. [On a specimen representing a new generic type among fishes]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):30-31.

(Paper presented at the Academy meeting held on 26 February 1855. Signature containing this presentation [pp. 31-32] is not dated, but it was assuredly printed on or before before 12 March.

The article was reprinted in 1873 (pp. 30-31) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[197] Ayres, William Orville. 1873. [Description of a new fish species, *Catostomus labiatus*, with additional remarks on *Catostomus*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):31-32.

(Paper presented at the Academy meeting held on 5 March 1855 and published in 1855[pp. 32-33]. The obverse side of p. 33, that is p. 34, bears the signature date of 12 March so that it is likely that the signature bearing this and several early presentations following 19 February (i.e., pages 31-34) were printed late in the evening of 12 March.

The article was reprinted in 1873 (pp. 31-32) in what has

become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[198] Ayres, William Orville. 1873. [Description of a new ichthyic type]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):32-34.

(Paper presented at the Academy meeting held on 12 March 1855 and published in PCANS, vol. 1, pp. 33-35. The obverse side of p. 33, that is p. 34, bears the signature date of 12 March so that it is likely that the signature bearing this and several early presentations following 19 February (i.e., pages 31-34) were printed late in the evening of 12 March. Page 35 is part of the four-page signature that bears printing the date 26 March.

The article was reprinted in 1873 (pp. 32-34) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[199] Ayres, William Orville. 1873. [Remarks on an abnormal development of a canine fetus]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):36.

(Paper presented at the Academy meeting held on 19 March 1855 and published in PCANS p. 37. Pages 35-38 constitute a four-page signature that bears the print date 26 March.

The article was reprinted in 1873 (p. 36) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1].)

[200] Ayres, William Orville. 1873. [A new flounder]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):39-40.

(Paper presented at the Academy meeting held on 2 April 1855 and published in PCANS pp. 40-41.

The article was reprinted in 1873 (p. 39-40) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[201] Ayres, William Orville. 1873. [Descriptions of fishes]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November/December]):42-44.

(Paper presented at the Academy meeting held 16 April 1855. Pages 43-45 are included in a 4-page signature that carries only the month, April, but it is flanked by signatures dated April 9 and April 30.

The article was reprinted in 1873 (p. 42-44) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[202] Ayres, William Orville. 1873. [On a fish believed to be new]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):46-47.

(In the original issue of the PCANS in 1855, pages 47-48 are included in a 6-page signature [47-52] dated April 30. Ayres paper was presented at the Academy meeting held on 30 April; thus the signature bearing his comments must ave been published later that evening.

The article was reprinted in 1873 (p. 46-47) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[203] Ayres, William Orville. 1873. [Remarks on the ground mole]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):53.

(Paper presented at the Academy meeting held 21 May. In the original 1855 publication (PCNAS p. 54), two pages, 53-54, are undated but they must have been printed in May because they are followed by a signature dated May, 1855.

The article was reprinted in 1873 (p. 53) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[204] Ayres, William Orville. 1873. [On a new species of fish [of the genus *Apodichthys*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):54-55.

(Presented at the Academy meeting held on 21 May; in the original PCANS, pp. 55-56 are included in a signature printed sometime during the month of May.

The article was reprinted in 1873 (p. 54-55) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[205] Ayres, William Orville. 1873. [On a new fish of the genus *Cebidichthys*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):58-59.

(In the 1855 PCANS, Ayres' remarks were presented at the Academy meeting held on 4 June. Page 58 of those

Proceedings appear to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June (in error shown as June 4, 1854); pages 55-58 are followed by p. 59, which is dated July 1855.

The article was reprinted in 1873 (p. 58) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[206] Ayres, William Orville. 1873. [Remarks on the skull of a sea lion from the Farallon Islands]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):61-62.

(Remarks presented at the Academy meeting held on 25 June; pages 60-61 of the PCANS for 1855 were printed sometime in July 1855.

The article was reprinted in 1873 (p. 61-62) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[207] Ayres, William Orville. 1873. [A new scomberoid fish]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):64.

(Remarks presented at the Academy meeting held on 2 July; pages 62-63 of the PCANS for 1855 were printed sometime in July 1855.

The article was reprinted in 1873 (p. 64) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[208] Ayres, William Orville. 1873. [Description of a new species of whiting]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):65-66.

(Remarks presented at the Academy meeting held on 16 July; page 64 of the PCANS for 1855 were printed sometime in August 1855.

The article was reprinted in 1873 (p. 65-66) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[209] Ayres, William Orville. 1873. [Description of a fish representing a type, entirely new to our waters]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):69.

(Remarks presented at the Academy meeting held on 6 August 1855 and pages 66-67 of the PCANS for 1855 were printed sometime in August and/or September.

The article was reprinted in 1873 (p. 69) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[210] Ayres, William Orville. 1873. [Remarks on the Echinodermata of the coast of California]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):71-72.

(Remarks presented at the Academy meeting held on 13 August; the signature containing p. 68 of PCANS for 1855 was printed sometime in September.

The article was reprinted in 1873 (p. 71-72) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[211] Ayres, William Orville. 1873. [On a new species of cramp fish, *Torpedo*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):74-75.

(Remarks presented at the Academy meeting held on 10 September; pages 70-71 of PCANS for 1855 were printed sometime in September.

The article was reprinted in 1873 (p. 74-75) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[212] Ayres, William Orville. 1873. [Comments on some fish referred to the genera *Hemilepidotus* or *Scorpaenichthys*, with description of a new genus and species]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):75-77.

(Remarks presented at the Academy meeting held on 24 December 1855; pages 75-77 were published in the 1855 PCANS by year's end on 31 December.

The article was reprinted in 1873 (pp. 81-82) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[213] Ayres, William Orville. 1873. [Remarks on and description of a shark of a new generic type]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):76-77.

(Paper presented at the Academy meeting held 8 October 1855; pages 72-73 of PCANS for 1855 were

printed sometime in November.
The article was reprinted in 1873 (p. 76-77) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[214] Ayres, William Orville. 1873. [Remarks on a collection of fishes made by Lieut. W.P. Trowbridge at or near Cape Flattery, W.T.]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):78-79.
(Remarks presented at the Academy meeting held on 29 October and appeared on p. 75 of 1855 PCANS.
The article was reprinted in 1873 (p. 78-79) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[215] Ayres, William Orville. 1873. [Description of a new species of mackerel]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2[December]):92.
(Paper presented at the Academy meeting held 20 October 1856 and published in 1856 PCANS on p. 92 [*q.v.*]. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol. 1, pt. 2, pp. 101-102.)

[216] Ayres, William Orville, and John Boardman Trask. 1855. [Report of the committee to make an examination in regard to a method for preserving submerged timber from the attacks of the ship worm]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):39.
(Presented as a communication at the Academy meeting held 2 April 1855. Pages 39-42 constitute a four-page signature that bears the printing date of April 9.)

[217] Ayres, William Orville, and John Boardman Trask. 1873. [Report of the committee to make an examination in regard to a method for preserving submerged timber from the attacks of the ship worm]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):38.
(Presented as a communication at the Academy meeting held 2 April 1855 and published in PCANS p. 39. Pages 39-42 constitute a four-page signature that bears the printing date of April 9.
The article was reprinted in 1873 (p. 38) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[218] Babcock, Ernest B. 1944. Endemism in *Crepis*. *Proceedings of the California Academy of Sciences*, ser. 4, 25(11[10 November]):269-290, 4 figs.

[219] Baccetti, Nicola, and Joe Sultana. 2008. Local ornithologists and the early study of central Mediterranean avifauna: the role of Schembri and Damiani in the Maltese and Tuscan Islands. *In* Claudia Corti, Fausto Barbagli, Michael T. Ghiselin, and Alan E. Leviton, eds., Scientific Exploration in the Mediterranean Region. *Proceedings of the California Academy of Sciences*, ser. 4, 59(7, Suppl. I [30 September]):111-116, figs. 1-2.

[220] Bacigalupi, Rimo. 1947. A new combination in the genus *Telesonix*. *Leaflets of Western Botany* 5(4 [31 October]):71.

[221] Bacigalupi, Rimo. 1963. A species of *Scirpus* new to California. *Leaflets of Western Botany* 10(1[8 March]): 16.

[222] Bacigalupi, Rimo. 1966. A new combination in California *Castilleja*. *Leaflets of Western Botany* 10(15 [29 September]):286-287.

[223] Bacigalupi, Rimo. 1966. A correction for the type locality of *Cordylanthus capillaris* Pennell. *Leaflets of Western Botany* 10(15[29 September]):287-288.

[224] Bacigalupi, Rimo. 1966. New localities for *Gratiola heterosepala*. *Leaflets of Western Botany* 10(15[29 September]):288.

[225] Bacigalupi, Rimo. 1966. *Trientalis arctica*, a member of California's flora. *Leaflets of Western Botany* 10(16 [23 November]):333.

[226] Bacigalupi, Rimo. 1966. Availability of the J.W. Blankinship Herbarium. *Leaflets of Western Botany* 10(16[23 November]):333.

[227] Bacigalupi, Rimo, and L. R. Heckard. 1966. A new *Castilleja* from south-central and Baja California. *Leaflets of Western Botany* 10(15[29 September]): 281-286.

[228] Bailey, L. H. 1891. New Californian carices. *Proceedings of the California Academy of Sciences*, ser. 2, 3([3 July]):104-106.

[229] Bailey, Stanley F. 1955. Systematic Entomology: Thysanoptera. Pages 525-526 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences*. California Academy of Sciences, San Francisco, California.

[230] Baker, Fred. 1924. *Vogdesella*, a new genus-name for a Paleozoic crustacean. *Proceedings of the California Academy of Sciences*, ser. 4, 13(11[18 March]):187-188.

[231] Baker, Fred. 1925. A new species of mollusk (*Dentalium hannai*) from Lower California, with notes on other forms. *Proceedings of the California Academy of Sciences*, ser. 4, 14(4[23 July]):83-87, 1 pl.

[232] Baker, Fred. 1926. Expedition to the Revillagigedo Islands, Mexico, in 1925. VI. Mollusca of the family Triphoridae. *Proceedings of the California Academy of Sciences*, ser. 4, 15(6[26 April]):223-239, 1 pl.

[233] Baker, Fred, and G Dallas Hanna. 1927. Expedition of the California Academy of Sciences to the Gulf of California in 1921: Marine mollusca of the order

Opisthobranchiata. *Proceedings of the California Academy of Sciences*, ser. 4, 16(5[22 April]):123-135, 1 pl.

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This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing p. 17 of this paper bears the date December 25, 1854.
The article was reprinted in 1873 (p. 16) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

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The article was reprinted in 1873 (p. 16) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

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The article was reprinted in 1873 (p. 72) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

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(Reprinted from the 1880 report in *Daily Alta California* newspaper.

This paper, presented at a meeting of the California Academy of Sciences, was in effect privately printed because publication of the regular Academy *Proceedings* had been suspended in late 1877 due to the lack of funds for publication. A series of privately printed papers ensued and are often cited as if they had been published in the *Proceedings of the California Academy of Sciences.* A *Bulletin* was begun by the Academy in 1884, but publication of the *Bulletin* ceased in 1887 when formal publication of the *Proceedings* was begun again in December 1887 as the "second series."

Proceedings of the California Academy of Sciences at a reception given to the Captain and officers of the U.S. Steamer *Thomas Corwin* and captains of the Pacific Whaling Fleet on their return from the Arctic; their views, and unanimous expression of relief in the *Jeannette's* safety; speculations concerning the whereabouts of the missing whalers, *Vigilant* and *Mount Wollaston*, including a paper read before the Academy December 6, 1880, by Charles Wolcott Brooks, member of the California Academy of Sciences.

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[The following comments relate to Bryant, 1887, pp. 451-454 but also affect this paper: It is stated that this paper was "Read August 1. 1887," but it was printed in a 4-page signature that is dated "July 23, 1887" and it is inserted between two other articles (one by Bryant, pp. 450-451, the other by Casey, pp. 455-482) one said to have been read on July 18, 1887 the other "July 18th, 1887," the latter part of a an odd 5-page signature said to have been "Issued August 2, 1887." Both signatures are numbered 32. It is likely that the signature date printed on page 449 is in error and the correct printing date should be 2 August. Also, page 449 is the first page of *Bulletin* vol. 2, no. 8. *Bull*. vol. 2, no.7 ends with numbered page 448, which is followed by an unnumbered "Errata" page and that by a blank page, which faces p. 449.].)

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The article was reprinted in 1873 (p. 35-36) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

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(Presented at the Academy meeting held on 23 October 1854. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing p. 15 of this paper bears the date December 25, 1854; The preceeding page is undated and may have been printed sometime before December 1854.
The article was reprinted in 1873 (pp. 13-14) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

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The article was reprinted in 1873 (p. 19) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

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[2416] Kellogg, Albert. 1855. [A linariad considered new . . . found by Dr. Andrews near Punta de los Reyes]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[19 February]):27.
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[2417] Kellogg, Albert. 1855. [On a (new) native millet]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[19 February]):27.
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[2418] Kellogg, Albert. 1855. [Notes on the olive (*Olea Europea*)]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[5 February]):27-28.
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(Paper presented at the Academy meeting held on 26 February 1855. The obverse side of p. 33, that is p. 34, bears the signature date of 12 March so that it is likely that the signature bearing this and several early presentations following 19 February (i.e., pages 31-34) were printed late in the evening of 12 March.)

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(Presented at the Academy meeting held 12 March 1855. The obverse side of p. 33, that is p. 34, bears the signature date of 12 March so that it is likely that the signature bearing this and several early presentations following 19 February (i.e., pages 31-34) were printed late in the evening of 12 March.)

[2421] Kellogg, Albert. 1855. [Remarks on a specimen and seeds of *Cyclobothra*, a plant of the tulip family]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[26 March]):36.
(Paper presented as a communication at the Academy meeting held on 19 March 1855. Pages 35-38 constitute a four-page signature that bears the printing date 26 March.)

[2422] Kellogg, Albert. 1855. [Remarks on the California Elecampane]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[26 March]):37-38, 39.
(Paper presented as a communication at the Academy meeting held on 26 March 1855. Pages 35-38 constitute

a four-page signature that bears the printing date 26 March; the 4-page signature that includes p. 39 bears a printing date of April 9.)

[2423] Kellogg, Albert. 1855. [Notes on some plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[26 March/2 April]):38-39.
(Paper presented as a communication at the Academy meeting held on 26 March 1855. Pages 35-38 constitute a four-page signature that bears the printing date 26 March; pages 39-42 are included in a 4-page signature dated 2 April 1855.)

[2424] Kellogg, Albert. 1855. [Remarks on *Leptarrhena inundata* Behr]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):45-46.
(Pages 45-46 are included in a 4-page signature that carries only the month, April, but it is flanked by signatures dated April 9 and April 30.)

[2425] Kellogg, Albert. 1855. [Comments on a new species of *Bahia* and *Anoplanthus uniflorus*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):45.
(Comments presented at the Academy meeting held 16 April 1855.)

[2426] Kellogg, Albert. 1855. [Remarks on lillial plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):46-47.
(Paper presented at the Academy meeting held on 30 April 1855; pages 45-46 are included in a 4-page signature that carries only the month, April, but the signature is flanked by signatures dated April 9 and April 30. Inasmuch as the paper was presented on 30 April, the signature, including pp. 46 and 47, must have been printed late that evening.)

[2427] Kellogg, Albert. 1855. [Two new species of violets]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):55-56.
(Page 55 is dated May 1855, pages 56-58 are undated but p. 58 includes reports presented at the Academy meeting held on 4 June; pages 55-58 are followed by p. 59, which is dated July 1855)

[2428] Kellogg, Albert. 1855. [On four species of *Ceanothus*, or tea-tree]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[May]):55.
(Paper presented at the Academy meeting held on 21 May; page 55 is included in a signature dated May, 1855)

[2429] Kellogg, Albert. 1855. [On *Asclepias acornutum* Kellogg]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[21 May]):55.

[2430] Kellogg, Albert. 1855. [Remarks on a species of *Senecio*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):56.
(Remarks presented at the Academy meeting held on 28 May; page 56 appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June; pages 55-58 are followed by p. 59, which is dated July 1855.)

[2431] Kellogg, Albert. 1855. [Remarks on a beautiful *Pentstemon*, or beardtongue supposed to be new]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):56-57.
(Remarks presented at the Academy meeting held on 28 May; page 57 appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June; pages 55-58 are followed by p. 59, which is dated July 1855)

[2432] Kellogg, Albert. 1855. [A new and interesting species of *Egletes*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[28 May]):57.
(Remarks presented at the Academy meeting held on 28 May; page 57 appears to be part of a signature that includes pages 55-58, which are dated May 1855; these are followed by p. 59, which is dated July 1855)

[2433] Kellogg, Albert. 1855. [On a herbaceous vine from the vicinity of Placerville]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):57.
(Remarks presented at the Academy meeting held on 4 June; page 57 appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June (in error shown as June 4, 1854); pages 55-58 are followed by p. 59, which is dated July 1855)

[2434] Kellogg, Albert. 1855. [On a species of *Fritillaria*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):57.
(Presented at the Academy meeting held on 4 June [shown in error as June 4, 1854] and published sometime between then and July 1855.)

[2435] Kellogg, Albert. 1855. [On a new *Vicia*, or Vetch, from Placerville]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):57.
(Presented at the Academy meeting held on 4 June [shown in error as June 4, 1854] and published sometime between then and July 1855.)

[2436] Kellogg, Albert. 1855. [On *Torreya Californica* and *Leptarrhena inundata* Behr]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1): 57-58.
(Presented at the Academy meeting held on 4 June 1855 [but in error shown as June 4, 1854] and published sometime between then and July 1855.)

[2437] Kellogg, Albert. 1855. [On a new species of *Ceanothus* from Placerville]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):58.
(Page 58 undated; Kellogg's remarks were presented at the Academy meeting held on 4 June; page 58 is followed by p. 59, which is dated July 1855)

[2438] Kellogg, Albert. 1855. [A specimen of *Oenothera*, or Cupid's primrose]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):58.

(Remarks presented at the Academy meeting held 4 June; page 58 is undated but lies between pages 55-56, dated May, 1855, and 59-62, dated July 1855)

[2439] Kellogg, Albert. 1855. [Description of a small and beautiful *Mimulus*. Also specimens and drawing of *Amelanchier Canadensis* var. *alnifolia*. Also a drawing and specimens of *Maderia elegans* ?]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):59.
(Remarks presented at the Academy meeting held on 11 June; page 59 bears the print date July, 1855.)

[2440] Kellogg, Albert. 1855. [On an *Azalea* from the interior. Also a purple-flowered *Oenothera* from Alameda]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):60-61.
(Remarks presented at the Academy meeting held on 18 June; pages 60-61 were printed sometime in July 1855.)

[2441] Kellogg, Albert. 1855. [Specimens of *Polygala* from Placerville]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):61-62.
(Remarks presented at the Academy meeting held on 2 July; pages 61-62 were printed sometime in July 1855.)

[2442] Kellogg, Albert. 1855. [On a new and singular *Pentstemon*. Also, on a *Lonicera* from the interior.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):62.
(Remarks presented at the Academy meeting held on 2 July; page 62 was printed sometime in July 1855.)

[2443] Kellogg, Albert. 1855. [Remarks on a species of wild black mountain currant]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1): 63-64.
(Presented at the Academy meeting held on 16 July; pages 63-64 were printed in August.)

[2444] Kellogg, Albert. 1855. [On a remarkable species of *Malvastrum*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):65.
(Presented at the Academy meeting held on 23 July and printed in August.)

[2445] Kellogg, Albert. 1855. [Remarks on a specimen of *Hypericum*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):65.
(Presented at the Academy meeting held on 23 July and printed in August.)

[2446] Kellogg, Albert. 1855. [On a specimen of *Asclepias* from Marysville]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):65-66.

[2447] Kellogg, Albert. 1855. [On a new species of *Rubus* or raspberry]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):67.
(Presented at the Academy meeting held on 13 August and printed in September.)

[2448] Kellogg, Albert. 1855. [On a species of oak brought by Col. L. Ransom from Mariposa]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1 [September]):67.
(Presented at the Academy meeting held 13 August 1855 and printed in September; but see also p. 71, dated Nov. 1855.)

[2449] Kellogg, Albert. 1855. [On a species of *Castanea*, or California evergreen chestnut and a species of oak]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[November]):71.
(Comments presented at the Academy meeting held on 17 September and published in a signature, which includes p. 71, dated Nov. 1855; but see also p. 67, dated Sept. 1855 for first description of *Quercus fulvescens*.)

[2450] Kellogg, Albert. 1856. [Remarks on an *Ephedra* or joint fir]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):87.
(Presented at the Academy meeting held 21 April 1856. Also reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 94 [*q.v.*].)

[2451] Kellogg, Albert. 1857. [On a new species of oak]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):96.
(Paper presented at the Academy meeting held on January 25, 1857. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 106 [*q.v.*].)

[2452] Kellogg, Albert. 1857. [On a new species of cypress]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):103-104.
(Presented at the Academy meeting held 5 October 1857. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 115-116 [*q.v.*].)

[2453] Kellogg, Albert. 1858. [On a new species of *Cyclobothra*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:4-5.
(Paper presented at the Academy meeting held on July 26, 1858.)

[2454] Kellogg, Albert. 1858. [On a new species of *Calochortus*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:5.
(Paper presented at the Academy meeting held on August 2, 1858)

[2455] Kellogg, Albert. 1858. [On a new species of *Campanula*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:5-6.
(Paper presented at the Academy meeting held on August 2, 1858)

[2456] Kellogg, Albert. 1858. [On a new species of *Brodiaea*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:6.
(Paper presented at the Academy meeting held on October 25, 1858.)

[2457] Kellogg, Albert. 1859. [On a new species of *Abies* from Fort Langley]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:8-9.
(Paper presented at the Academy meeting held on January 24, 1859.)

[2458] Kellogg, Albert. 1859. [On a new species of *Fritil-*

laria from New Idria, California]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:9-10.
(Paper presented at the Academy meeting held on April 25, 1859.)

[2459] Kellogg, Albert. 1859. [On a new species of *Collinsia* found by Dr. Lanszweert, in the vicinity of Oakland]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:10.
(Paper presented at the Academy meeting held on June 13, 1859.)

[2460] Kellogg, Albert. 1859. [On a specimen of liliaceous plant, brought from New Idria by Dr. J.A. Veatch and cultivated by Mr. H.G. Bloomer; a plant closely allied to *Hesperescordium* and probably new.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:10-11.
(Paper presented at the Academy meeting held on July 18, 1859.)

[2461] Kellogg, Albert. 1859. [On a a new plant of the Asphodel family, found by Dr. J.A. Veatch at New Idria, and cultivated by Mr. H.G. Bloomer, botanical curator to the Academy]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:11-12, pl. [unnumbered; facing p. 11].
(Paper presented at the Academy meeting held on July 18, 1859.)

[2462] Kellogg, Albert. 1859. [On a new species of *Lilium*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:12-13, pl. [unnumbered; facing p. 12].
(Although Kellogg introduces the name *Lilium paradalinum*, the accompanying plate is titled *Lilium pardalium* Kellogg, clearly a printer's error. Paper presented at the Academy meeting held August 1, 1859.)

[2463] Kellogg, Albert. 1859. [On a new species of lily from the Sierra Nevada]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:13-14.
(Paper presented at the Academy meeting held on August 1, 1859.)

[2464] Kellogg, Albert. 1859. [On a new species of *Ledum* from the Sierra Nevada]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:14.
(Description read at the Academy meeting held on August 29, 1859.)

[2465] Kellogg, Albert. 1859. [On two new species of *Pentstemon*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:14-15.
(Description read at the Academy meeting held on September 19, 1859.)

[2466] Kellogg, Albert. 1859. [On new genera and species of plants, found by Dr. J.A. Veatch, at Cerros Island]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:15-20, 3 pls. [unnumbered], one in color.
(Paper presented at the Academy meeting held on September 26, 1859. Kellogg described *Pentstemon cerrosensis* on p. 19 but the plate bears the name *Pentstemon cerrosiana*.)

[2467] Kellogg, Albert. 1859. [On a new *Calliproa* from Mariposa.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:20.
(Paper presented at the Academy meeting held on September 26, 1859.)

[2468] Kellogg, Albert. 1859. [On plants brought from Cerros Island by Dr. J.A. Veatch]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:20-22, col. pl.
(Paper presented at the Academy meeting held on October 2, 1859. Kellogg talks about *Simmondsia pabulosa*, which he says is "probably undescribed," but he uses the name *Galphimia pabulosa* on the accompanying plate.)

[2469] Kellogg, Albert. 1859. [On plants brought from Cerros Island by Dr. J.A. Veatch.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:22-25, col. pl. [unnumbered; facing p. 24].
(Paper presented at the Academy meeting held on October 10, 1859.)

[2470] Kellogg, Albert. 1859. [On a new and very remarkable species of *Oenothera*, brought from Cerros Island by Dr. John A. Veatch.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:32-33, col. pl. [unnumbered; facing p. 32].
(Paper presented at the Academy meeting held on October 24, 1859.)

[2471] Kellogg, Albert. 1859. [Description of a new species of *Mentzelia*, from Cerros Island, presented by Dr. J.A. Veatch.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:33-34, col. pl. [unnumbered; facing p. 33].
(Paper presented at the Academy meeting held on November 14, 1859.)

[2472] Kellogg, Albert. 1859. [On new species of *Fouquieraceae*, brought from Lower California, by Dr. J.A. Veatch.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:34-35, col. pl. [unnumbered; facing p. 34].
(Paper presented at the Academy meeting held on November 20, 1859.)

[2473] Kellogg, Albert. 1859. [Description of a new Composite, brought from Cerros Island, by Dr. J.A. Veatch; a plant of the natural order *Rudbeckieae*, closely allied to the genus *Echinacea*.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:35-36, col. pl. [unnumbered; facing p. 35].
(Paper presented at the Academy meeting held on November 20, 1859.)

[2474] Kellogg, Albert. 1859. [On a new species of Oak, brought from Clear Lake by Mr. A.A. Veatch.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:36.
(Paper presented at the Academy meeting held on November 30, 1859.)

[2475] Kellogg, Albert. 1859. [On a new species of *Rhamnus* from the vicinity of Clear Lake.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([2 December]):36-37.
(Paper presented at the Academy meeting held on December 2, 1859.)

[2476] Kellogg, Albert. 1859. [[Description of a new species of *Juniperus*, brought from Cerros Island, by Dr. J.A. Veatch.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:37-38.
(Paper presented at the Academy meeting held on December 2, 1859.)

[2477] Kellogg, Albert. 1860. [On a new genus of plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:46-48, fig. 1.
(Paper presented at the Academy meeting held on March 5, 1860.)

[2478] Kellogg, Albert. 1860. [Description of a new species of *Trillium*, collected by Mr. Gibbs]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:48-50, fig. 2.
(Paper presented at the Academy meeting held on May 7, 1860.)

[2479] Kellogg, Albert. 1860. [Description of a new species of *Sisyrinchium*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:50-52, fig. 3.
(Paper presented at the Academy meeting held on June 4, 1860.)

[2480] Kellogg, Albert. 1860. [Description of a new plant that probably belongs to *Hemizonia*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:64-66, fig. 13.
(Paper presented at the Academy meeting held on September 3, 1860.)

[2481] Kellogg, Albert. 1860. [Description of a *Lonicera* recently brought from Washoe by Dr. J.A. Veatch.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:66-69, fig. 15.
(Paper presented at the Academy meeting held on September 3, 1860.)

[2482] Kellogg, Albert. 1860. [Observations on the white-flowered rosin weed]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:69-71, fig. 14.
(Paper presented at the Academy meeting held on September 3, 1860.)

[2483] Kellogg, Albert. 1860. [On a new species of *Abronia* brought from Carson Valley, Washoe, by Mr. Andrew A. Veatch.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:71-72, fig. 16.
(Paper presented at the Academy meeting held on September 3, 1860.)

[2484] Kellogg, Albert. 1861. [Description of a species of *Polypodium* found in the vicinity of San Francisco, springing from the crevices of rocks]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:88-91, fig. 24.
(Paper presented at the Academy meeting held on January 21, 1861.)

[2485] Kellogg, Albert. 1861. [Description of *Ribes balsamifera*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:94-96, fig. 25.
(Paper presented at the Academy meeting held on February 18, 1861.)

[2486] Kellogg, Albert. 1861. [Descriptions of new plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:97-102, figs. 26-29.
(Paper presented at the Academy meeting held on February 25, 1861; pages 97-102 are included in the signature that was printed sometime before December 1861.)

[2487] Kellogg, Albert. 1861. [Description of a new species of *Chlorogalum* (Soap Plant) brought from Shasta by Mr. Andrew A. Veatch]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:104-106, fig. 30.
(Paper presented at the Academy meeting held on April 1, 1861; pages 104-106 are included in the signature that was printed sometime before December 1861.)

[2488] Kellogg, Albert. 1861. [Remarks on an interesting shrub from Cerros Island]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:106-108, figs. 31[1-6] and 1 unnumbered [7].
(Paper presented at the Academy meeting held on April 1, 1861; pages 106-108 are included in the signature that was printed sometime before December 1861.)

[2489] Kellogg, Albert. 1861. [Descriptions of new plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:109-110, fig. 32[8].
(Paper presented at the Academy meeting held on April 15, 1861; pages 109-110 are included in the signature that was printed sometime before December 1861.)

[2490] Kellogg, Albert. 1861. [Descriptions of new plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:110-114, figs. 33-35.
(Paper presented at the Academy meeting held on May 5, 1861; pages 110-114 are included in the signature that was printed sometime before December 1861.)

[2491] Kellogg, Albert. 1861. [Descriptions of new plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:115-118, figs. 36-37.
(Paper presented at the Academy meeting held on June 2, 1861; pages 115-118 are included in the signature that was printed sometime before December 1861.)

[2492] Kellogg, Albert. 1861. [On a new species of *Hosackia* presented by Dr. Andrews]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:123, fig. 38.
(Paper presented at the Academy meeting held on July 21, 1861; page 123 is included in the signature that was printed sometime before December 1861.)

[2493] Kellogg, Albert. 1861. [Description of a new species of *Ceanothus* brought by Dr. J.A. Veatch from Washoe]. *Proceedings of the California Academy of Natural*

Sciences, ser. 1, 2:123-125, fig. 39.
(Paper presented at the Academy meeting held 21 July 1861; pages 123-125 are included in the signature that was printed sometime before December 1861.)

[2494] Kellogg, Albert. 1861. [Description of *Hosackia balsamifera*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([December]):125-127, fig. 40.
(Paper presented at the Academy meeting held 21 July 1861. Page 125 is included in signature 9 and is dated Dec., 1861.)

[2495] Kellogg, Albert. 1862. [On a new and quite anomalous plant from the head-waters of the Carson River]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([April]):142-144,146, fig. 41.
(Paper presented at the Academy meeting held 2 September 1861.)

[2496] Kellogg, Albert. 1862. [New plants from the head-waters of Carson River presented by Mr. C.D. Gibbs]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([April]):145,146-148, figs. 42-43.
(Paper presented at the Academy meeting held on October 6, 1861; figure 42 is printed on p. 145, which precedes the article for which it is intended that begins on p. 146.)

[2497] Kellogg, Albert. 1862. [Description of a species of *Lathyrus* sent from Washoe by Dr. Lanszweert]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([April]):149-150, fig. 44.
(Paper presented at the Academy meeting held on October 20, 1861; figure 44 is printed on p. 149, which precedes the article for which it is intended that begins on p. 150.)

[2498] Kellogg, Albert. 1862. [On a form of *Ceanothus* found in Yo-Semite Valley, by Madam Werthermann [and a new] *Streptanthus* from the Sierra Nevada presented by Mr. C.D. Gibbs]. *Proceedings of the Cali-fornia Academy of Natural Sciences*, ser. 1, 2([April]): 151-154, figs. 45-46.
(Paper presented at the Academy meeting held on November 3, 1861; figure 45 is printed on p. 151, which precedes the article for which it is intended that begins on p. 152.)

[2499] Kellogg, Albert. 1862. [Description of *Lonicera intermedia*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([April]):154-155, fig. 47.
(Paper presented at the Academy meeting held on 17 November 1861. Pages 154-155 were included in signature 10, printed in April, 1862 or in signature 11, printed in September 1862[most likely the latter based on the change in untrimmed paper size used in the press run].)

[2500] Kellogg, Albert. 1862. Description of a plant brought from the coast range at some point north of San Francisco. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([September]):158-159, fig. 49.
(Paper presented at the Academy meeting held on 15 December 1861 but not issued until September 1862.)

[2501] Kellogg, Albert. 1862. [Description of a new species of *Astragulus* from the Sierra Nevada, near the head waters of Carson River]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:161-162, fig. 50.
(Paper presented at the Academy meeting held on 20 January 1862; pages included in an undated 8-page signature issued sometime between September and December 1862.)

[2502] Kellogg, Albert. 1862. [The following boraginaceous plant, collected by Mr. H.G. Bloomer, Botanical Curator to the Academy, is common in the vicinity of San Francisco]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:163-165, fig. 51.
(Paper presented at the Academy meeting held on 17 February 1862; pages 163-165 are included in an undated 8-page signature issued sometime between September and December 1862.)

[2503] Kellogg, Albert. 1862. [Description of *Lilium parvum*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:179, fig. 52.
(Paper presented at the Academy meeting held on 2 June 1862; pages 173 through 188 were printed sometime between Dec. 1862[signature stamp 12 appears on p. 173] and Jan. 1863; the latter date is imprinted on page 189, which is also stamped as signature 13.)

[2504] Kellogg, Albert. 1862. [On a species of *Trixis* brought from Cerros Island by Dr. J.A. Veatch]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:182-184, fig. 53.
(Paper presented at the Academy meeting held on 4 August 1862; pages 173 through 188 were printed sometime between Dec. 1862[signature stamp 12 appears on p. 173] and Jan. 1863; the latter date is imprinted on page 189, which is also stamped as signature 13.)

[2505] Kellogg, Albert. 1862. [Descriptions of new plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:185-187,188, figs. 54-55.
(Paper presented at the Academy meeting held on 2 September 1862; pages 173 through 188 were printed sometime between Dec. 1862[signature stamp 12 appears on p. 173] and Jan. 1863; the latter date is imprinted on page 189, which is also stamped as signature 13.)

[2506] Kellogg, Albert. 1862. [Description of a *Spraguea* brought by Mr. C.H. Dorr, from Nevada Territory]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:187,189, fig. 56.
(Page 187 was probably included in signature published in December 1862 but p. 189, which bears figure 56, is included in the next signature, which was printed in January 1863. Paper presented at the Academy meeting held on 2 September 1862.)

[2507] Kellogg, Albert. 1863. [Three new species, *Audibertia dorrii*, *Lupinus stiverii* and *Lupinus confertus*]. *Proceedings of the California Academy of Natural*

Sciences, ser. 1, 2([January]):190-195, figs. 57-59.
(Paper presented at the Academy meeting held on 6 October 1862)

[2508] Kellogg, Albert. 1863. [Descriptions of new species of *Lupinus*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([January]):195-198, figs. 60-61.
(Presented at the Academy meeting held on 3 November 1862.)

[2509] Kellogg, Albert. 1863. [Descriptions of new species of plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([January]):224-232, figs. 69-73.
(Paper read at the Academy meeting held on 15 December 1862.)

[2510] Kellogg, Albert. 1863. Description of two new species of plants from Nevada Territory. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([April]):9-10, fig. 1, fig. 16[see p. 68].
(Paper presented at the Academy meeting held 16 February 1863 and published in a 16-page signature dated April 1863. Figure 1 published with the text in April; figure 16 was not printed until November of 1863[see page 68 of the *Proceedings*].)

[2511] Kellogg, Albert. 1863. Description of two new species of *Collomia* from Nevada Territory. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[May]):17-19, figs. 2-3.
(Paper presented at the Academy meeting held 16 March 1863 and published in a 16-page signature dated May 1863.)

[2512] Kellogg, Albert. 1863. Description of a new genus and species of plant from Nevada Territory. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[May]):20-21, fig. 4.
(Paper presented at the Academy meeting held 8 April 1863 and published in a 16-page signature dated May 1863.)

[2513] Kellogg, Albert. 1863. Description of two new species of plants. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[September]): 36-38, figs. 6-7.
(Paper presented at the Academy meeting held 4 May 1863 and published in a 16-page signature dated September 1863.)

[2514] Kellogg, Albert. 1863. Description of a new species of *Hosackia*. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):38-40, fig. 8.
(Paper presented at the Academy meeting held 1 June 1863 and published in a 16-page signature dated September 1863.)

[2515] Kellogg, Albert. 1863. Description of a new species of *Mentzelia*. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[September]):40-41, fig. 9.
(Paper presented at the Academy meeting held 15 June 1863 and published in a 16-page signature dated September 1863.)

[2516] Kellogg, Albert. 1863. Description of three new plants. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):41-44, figs. 10-12.
(Paper presented at the Academy meeting held 6 July 1863 and published in a 16-page signature dated September 1863. Figure 10 appears on p. 41 in advance of the article, which begins on page 42.)

[2517] Kellogg, Albert. 1863. Description of new species of *Allium*. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[September]):54-55, fig. 13.

[2518] Kellogg, Albert. 1863. Description of a new species of *Alsine*. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[September]):61.
(Paper presented at the Academy meeting held 17 August 1863 and published in a 16-page signature dated September 1863.)

[2519] Kellogg, Albert. 1871. A new Californian *Dicentra*. *Proceedings of the California Academy of Sciences*, ser. 1, 4([April]):141-142, fig. [on p. 142].
(Paper presented at the Academy meeting held 7 November 1870 and published in signatures (#8-11) dated April 1871.)

[2520] Kellogg, Albert. 1872. On *Lilium Bloomerianum*. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):160.
(Paper presented at the Academy meeting held 10 February 1871 and published in the signature (#12) dated January 1872.)

[2521] Kellogg, Albert. 1872. *Madia radiata* — Kellogg. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):190-191.
(Paper presented at the Academy meeting held 18 September 1871 and published in the signature (#14) dated January 1872.)

[2522] Kellogg, Albert. 1872. *Leptosyne gigantea* Kellogg. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):198-199.
(Paper presented at the Academy meeting held 20 November 1871. Pages printed in signature (#14) dated January 1872.)

[2523] Kellogg, Albert. 1873. [On a drawing and specimen of *Lavatera assurgentiflora*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):13-14.
(Presented at the Academy meeting held on 23 October 1854. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing p. 15 of this paper bears the date December 25, 1854; The preceeding page is undated and may have been printed sometime before December 1854.
The article was reprinted in 1873 (pp. 13-14) in what has become known as the "Second edition," in which the

original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2524] Kellogg, Albert. 1873. [On a new species of *Hydrocotyle*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):14.

(Presented at the Academy meeting held on 30 October 1854. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing p. 15 of this paper bears the date December 25, 1854.

The article was reprinted in 1873 (pp. 14) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2525] Kellogg, Albert. 1873. [Description of a fern from Shoalwater Bay]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):19.

(Paper presented at the Academy meeting held on 18 December 1854. Signature containing this presentation was print dated 1 January [1855].

The article was reprinted in 1873 (p. 19) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2526] Kellogg, Albert. 1873. [New species of plants]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):23-24.

(Paper presented at the Academy meeting held on 15 January 1855. Signature containing this presentation [p. 25] was print dated 1 February [1855].

The article was reprinted in 1873 (pp. 23) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2527] Kellogg, Albert. 1873. [A linariad considered new . . . found by Dr. Andrews near Punta de los Reyes]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):25-26.

(Paper presented at the Academy meeting held on 29 January 1855. Signature containing this presentation [p. 27] was print dated 19 February [1855].

The article was reprinted in 1873 (pp. 25-26) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2528] Kellogg, Albert. 1873. [On a (new) native millet]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):26.

(Paper presented at the Academy meeting held on 29 January 1855. Signature containing this presentation [p. 27] was print dated 19 February [1855], but it is likely it was actually printed a few days later, most likely before 26 February and certainly before 12 March.

The article was reprinted in 1873 (pp. 26) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2529] Kellogg, Albert. 1873. [Notes on the olive (*Olea Europea*)]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):26-27.

(Paper presented at the Academy meeting held on 5 February 1855. Signature containing this presentation [pp. 27-28] was print dated 19 February [1855].

The article was reprinted in 1873 (pp. 26-27) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2530] Kellogg, Albert. 1873. [On a variety of *Lonicera californica* or California yellow honeysuckle]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):30.

(Paper presented at the Academy meeting held on 26 February 1855. The obverse side of p. 33, that is p. 34, bears the signature date of 12 March so that it is likely that the signature bearing this and several early presentations following 19 February (i.e., pages 31-34) were printed late in the evening of 12 March 1855.

The article was reprinted in 1873 (pp. 30) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2531] Kellogg, Albert. 1873. [Comments on *Arabis blepharophylla*, or Cal. purple rock-cress]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):32.

(Presented at the Academy meeting held 12 March 1855 and printed in PCANS p. 33. The obverse side of p. 33, that is p. 34, bears the signature date of 12 March so that

it is likely that the signature bearing this and several early presentations following 19 February (i.e., pages 31-34) were printed late in the evening of 12 March.

The article was reprinted in 1873 (p. 32) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2532] Kellogg, Albert. 1873. [Remarks on a specimen and seeds of *Cyclobothra*, a plant of the tulip family]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):35.

(Paper presented as a communication at the Academy meeting held on 19 March 1855 and published in PCANS p. 36. Pages 35-38 constitute a four-page signature that bears the printing date 26 March.

The article was reprinted in 1873 (p. 35) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2533] Kellogg, Albert. 1873. [Remarks on the California Elecampane]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):36-37.

(Paper presented as a communication at the Academy meeting held on 26 March 1855 and published in PCANS pp. 37-38. Pages 35-38 constitute a four-page signature that bears the printing date 26 March; the 4-page signature that includes p. 39 bears a printing date of April 9.

The article was reprinted in 1873 (pp. 36-37) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2534] Kellogg, Albert. 1873. [Notes on some plants]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):37-38.

(Paper presented as a communication at the Academy meeting held on 26 March 1855 and published in PCANS pp. 38-39. Pages 35-38 constitute a four-page signature that bears the printing date 26 March; the 4-page signature that includes p. 39 bears a printing date of April 9.

The article was reprinted in 1873 (p. 37-38) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2535] Kellogg, Albert. 1873. [Comments on a new species of *Bahia* and on *Anoplanthus uniflorus*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1([December]):44.

(Comments presented at the Academy meeting held on 16 April 1855 and published in PCANS p. 45.

The article was reprinted in 1873 (p. 44) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2536] Kellogg, Albert. 1873. [Specimens and drawings of *Leptarrhena inundata* Behr]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):44-45.

(Paper presented at the Academy meeting held on 23 April 1855 and published in PCANS pp. 45-46.

The article was reprinted in 1873 (p. 44-45) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2537] Kellogg, Albert. 1873. [Remarks on lillial plants]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):45-46.

(Paper published in 1855 in PCANS pp. 46-47; pages 45-46 are included in a 4-page signature that carries only the month, April, but it is flanked by signatures dated April 9 and April 30. Inasmuch as the paper was read at the Academy meeting held on 30 April 1855, the comments most likely were printed late in the evening of 30 April.

The article was reprinted in 1873 (p. 45-46) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2538] Kellogg, Albert. 1873. [On four species of *Ceanothus*, or tea-tree]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):53-54.

(Paper presented at the Academy meeting held on 21 May; in the original publication (PCANS p. 55), the page is included in a signature dated May, 1855.

The article was reprinted in 1873 (p. 53-54) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2539] Kellogg, Albert. 1873. [On *Asclepias acornutum* Kellogg]. *Proceedings of the California Academy of*

Natural Sciences, 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):54.

(Paper presented at the Academy meeting held 21 May. In the original 1855 publication (PCNAS p. 55), the page is included in a signature dated May, 1855.

The article was reprinted in 1873 (p. 54) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2540] Kellogg, Albert. 1873. [Two new species of violet]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):55-56.

(Presented at the Academy meeting held on 38 May 1855. In the original PCAS, this article appeared on pp. 56-57. For dating purposes, page 55 on the 1855 *Proceedings* is dated May 1855, pages 56-58 are undated, but p. 58 includes reports presented at the Academy meeting held on 4 June; pages 55-58 are followed by p. 59, which is dated July 1855. It is most likely that pages 56-57 were printed at the end of May or in early June.

The article was reprinted in 1873 (p. 55-56) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2541] Kellogg, Albert. 1873. [Remarks on a species of *Senecio*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):56.

(Remarks presented at the Academy meeting held on 28 May. In the 1855 PCANS, page 56 appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June; pages 55-58 are followed by p. 59, which is dated July 1855.

The article was reprinted in 1873 (p. 56) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2542] Kellogg, Albert. 1873. [Remarks on a beautiful *Pentstemon*, or beardtongue supposed to be new]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]): 56-57.

(Remarks presented at the Academy meeting held on 28 May. In the 1855 PCANS, page 57 appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June; pages 55-58 are followed by p. 59, which is dated July 1855.

The article was reprinted in 1873 (p. 56) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2543] Kellogg, Albert. 1873. [A new and interesting species of *Egletes*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):56.

(Remarks presented at the Academy meeting held on 28 May. In the 1855 PCANS, page 57 appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June; pages 55-58 are followed by p. 59, which is dated July 1855.

The article was reprinted in 1873 (p. 56) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2544] Kellogg, Albert. 1873. [On a herbaceous vine from the vicinity of Placerville]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):56-57.

(In the 1855 PCANS, Kellogg's remarks were presented at the Academy meeting held on 4 June. Page 57 of those *Proceedings* appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June (in error shown as June 4, 1854); pages 55-58 are followed by p. 59, which is dated July 1855.

The article was reprinted in 1873 (pp. 56-57) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2545] Kellogg, Albert. 1873. [On a new species of *Ceanothus* from Placerville]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):57.

(In the 1855 PCANS, Kellogg's remarks were presented at the Academy meeting held on 4 June. They appear on p. 58 of the PCANS. Pages 57-58 of those *Proceedings* appear to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June (in error shown as June 4, 1854); pages 55-58 are followed by p. 59, which is dated July 1855.

The article was reprinted in 1873 (p. 57) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see com-

ments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2546] Kellogg, Albert. 1873. [On a species of *Fritillaria*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):57.

(In the 1855 PCANS, Kellogg's remarks were presented at the Academy meeting held on 4 June. Page 57 of those *Proceedings* appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June (in error shown as June 4, 1854); pages 55-58 are followed by p. 59, which is dated July 1855.

The article was reprinted in 1873 (p. 57) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2547] Kellogg, Albert. 1873. [On a new *Vicia*, or Vetch, from Placerville]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):57.

(In the 1855 PCANS, Kellogg's remarks were presented at the Academy meeting held on 4 June. Page 57 of those *Proceedings* appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June (in error shown as June 4, 1854); pages 55-58 are followed by p. 59, which is dated July 1855.

The article was reprinted in 1873 (p. 57) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2548] Kellogg, Albert. 1873. [On *Torreya Californica* and *Leptarrhena inundata* Behr]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):57.

(In the 1855 PCANS, Kellogg's remarks were presented at the Academy meeting held on 4 June. Pages 57-58 of those *Proceedings* appear to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June (in error shown as June 4, 1854); pages 55-58 are followed by p. 59, which is dated July 1855.

The article was reprinted in 1873 (p. 57) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2549] Kellogg, Albert. 1873. [A specimen of *Oenothera*, or Cupid's primrose]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1):58.

(In the 1855 PCANS, Kellogg's remarks were presented at the Academy meeting held on 4 June. Page 58 of those *Proceedings* appear to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June (in error shown as June 4, 1854); pages 55-58 are followed by p. 59, which is dated July 1855.

The article was reprinted in 1873 (p. 58) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2550] Kellogg, Albert. 1873. [Description of a small and beautiful *Mimulus*. Also specimens and drawing of *Amelanchier Canadensis* var. *alnifolia*. Also a drawing and specimens of *Maderia elegans* ?]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):59-60.

(In the 1855 PCANS, Kellogg's remarks were presented at the Academy meeting held on 11 June. Page 59 of those *Proceedings* is dated July 1855.

The article was reprinted in 1873 (p. 59-60) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2551] Kellogg, Albert. 1873. [On an *Azalea* from the interior. Also a purple-flowered *Oenothera* from Alameda]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):61.

(Remarks presented at the Academy meeting held on 18 June; pages 60-61 of the PCANS for 1855 were printed sometime in July 1855.

The article was reprinted in 1873 (p. 61) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2552] Kellogg, Albert. 1873. [Specimens of *Polygala* from Placerville]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):63.

(Remarks presented at the Academy meeting held on 2 July; pages 61-62 of the PCANS for 1855 were printed sometime in July 1855.

The article was reprinted in 1873 (p. 63) in what has become known as the "Second edition," in which the

original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2553] Kellogg, Albert. 1873. [On a new and singular *Pentstemon*. Also, on a *Lonicera* from the interior.]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):63.
(Remarks presented at the Academy meeting held on 2 July; page 62 of the PCANS for 1855 were printed sometime in July 1855.
The article was reprinted in 1873 (p. 63) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2554] Kellogg, Albert. 1873. [Remarks on a species of wild black mountain currant]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):65.
(Remarks presented at the Academy meeting held on 16 July; pages 63-64 of the PCANS for 1855 were printed sometime in August 1855.
The article was reprinted in 1873 (p. 65) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2555] Kellogg, Albert. 1873. [On a remarkable species of *Malvastrum*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):67.
(Remarks presented at the Academy meeting held on 23 July; page 65 of the PCANS for 1855 were printed sometime in August 1855.
The article was reprinted in 1873 (p. 67) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2556] Kellogg, Albert. 1873. [Remarks on a specimen of *Hypericum*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):67-68.
(Remarks presented at the Academy meeting held on 23 July; page 65 of the PCANS for 1855 were printed sometime in August 1855.
The article was reprinted in 1873 (p. 67-68) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2557] Kellogg, Albert. 1873. [On a specimen of *Asclepias* from Marysville]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):68.
(Remarks presented at the Academy meeting held on 23 July; page 65-66 of the PCANS for 1855 were printed sometime in August 1855.
The article was reprinted in 1873 (p. 68) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

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The article was reprinted in 1873 (p. 70) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

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The article was reprinted in 1873 (pp. 51-52) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

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ns.— Trask — Plate 6 et seq.]. The plate titled "Fumorales of the Colorado Desert" to accompany the presentation by J.A. Veatch, "Notes of a visit to the "Mud Volcanoes" in the Colorado Desert . . ." [*q.v.*, pp. 104-108], was then renumbered plate 6.)

[3685] Trask, John Boardman. 1857. [Nine new species of zoophytes from the Bay of San Francisco]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):100-102, pls. 4-5.
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[3686] Trask, John Boardman. 1858. Earthquakes in California during the year 1857. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):108-109.
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(Presented at the Academy meeting held 12 February 1855. Signature containing this presentation [pp. 28-29] was print dated 19 February [1855], but it is likely it was actually printed a few days later, most likely before 26 February and certainly before 12 March.
The article was reprinted in 1873 (pp. 24-25) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

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(Presented at the Academy meeting held 19 February 1855. Signature containing this presentation [p. 30] was print dated 19 February [1855], but it is likely it was actually printed a few days later, most likely before 26 February and certainly before 12 March.
The article was reprinted in 1873 (p. 29) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[3695] Trask, John Boardman. 1873. [A new ammonite from Arbuckle's Diggins, Shasta County]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):39.
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The article was reprinted in 1873 (p. 39) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[3696] Trask, John Boardman. 1873. [Descriptions of fossil shells from the Tertiary deposits of the Lower Coast]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):40-42.
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is flanked by signatures dated April 9 and April 30.
The article was reprinted in 1873 (p. 40-42) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

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Plate 6 was withdrawn by Trask before publication even though it is still cited in the text [see p. 110, *Leptosiagon gracilis ng. ns.*— Trask — Plate 6, *et seq.*]. The plate titled "Fumorales of the Colorado Desert" to accompany the presentation by J.A. Veatch, "Notes of a visit to the "Mud Volcanoes" in the Colorado Desert . . ." [*q.v.*, pp. 104-108], was then renumbered plate 6.)

[3703] Trask, John Boardman. 1873. [Nine new species of zoophytes from the Bay of San Francisco]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2[December]):112-114, pls. 4-5.
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In the original issue of the PCANS in 1855, pages 49-52 were included in a 6-page signature [47-52] dated April 30. Winslow's paper was presented at the Academy meeting held on 30 April; thus the signature bearing his comments must ave been published later that evening.
The article was reprinted in 1873 (p. 48-51) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

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[1777] Harkness, Harvey Willson. 1887. Fungi of the Pacific Coast. V. *Bulletin of the California Academy of Sciences* 2(7[16 June]):438-447.

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(Paper read at the Academy meeting held 20 June 1887. [The following comments relate to Bryant, 1887, pp. 451-454 but also affect this paper: It is stated that this paper was "Read August 1. 1887," but it was printed in a 4-page signature that is dated "July 23, 1887" and it is inserted between two other articles (one by Bryant, pp. 450-451, the other by Casey, pp. 455-482) one said to have been read on July 18, 1887 the other "July 18th, 1887," the latter part of a an odd 5-page signature said to have been "Issued August 2, 1887." Both signatures are numbered 32. It is likely that the signature date printed on page 449 is in error and the correct printing date should be 2 August. Also, page 449 is the first page of *Bulletin* vol. 2, no. 8. *Bull*. vol. 2, no.7 ends with numbered page 448, which is followed by an unnumbered "Errata" page and that by a blank page, which faces p. 449.])

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(Paper read at the Academy meeting held 18 July 1887. [The following comments relate to Bryant, 1887, pp. 451-454 but also affect this paper: It is stated that this paper was "Read August 1. 1887," but it was printed in a 4-page signature that is dated "July 23, 1887" and it is inserted between two other articles (one by Bryant, pp. 450-451, the other by Casey, pp. 455-482) one said to have been read on July 18, 1887 the other "July 18th, 1887," the latter part of a an odd 5-page signature said to have been "Issued August 2, 1887." Both signatures are numbered 32. It is likely that the signature date printed on page 449 is in error and the correct printing date should be 2 August. Also, page 449 is the first page of *Bulletin* vol. 2, no. 8. *Bull*. vol. 2, no.7 ends with numbered page 448, which is followed by an unnumbered "Errata" page and that by a blank page, which faces p. 449.])

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[The following comments relate to Bryant, 1887, pp. 451-454 but also affect this paper: It is stated that this paper was "Read August 1. 1887," but it was printed in a 4-page signature that is dated "July 23, 1887" and it is inserted between two other articles (one by Bryant, pp. 450-451, the other by Casey, pp. 455-482) one said to have been read on July 18, 1887 the other "July 18th, 1887," the latter part of a an odd 5-page signature said to have been "Issued August 2, 1887." Both signatures are numbered 32. It is likely that the signature date printed on page 449 is in error and the correct printing date should be 2 August. Also, page 449 is the first page of *Bulletin* vol. 2, no. 8. *Bull*. vol. 2, no.7 ends with numbered page 448, which is followed by an unnumbered "Errata" page and that by a blank page, which faces p. 449.])

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Proceedings of the California Academy of Sciences

Series 1

[135] Ayres, William Orville. 1854. [Descriptions of species of fish, believed to be new]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1): 3-4.

(Presented at the Academy meeting held on 4 September 1854. The 4-page signature (including pp. 3-6) containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and the 4-page signature, in *Proceed-ings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 3-4) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[136] Ayres, William Orville. 1854. [Descriptions of new species of *Sebastes*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):5-6.

(Presented at the Academy meeting held on 11 September 1854. The 4-page signature (including pp. 3-6) containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (15 September 1854). The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

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[137] Ayres, William Orville. 1854. [Further comments on fish species found in the San Francisco markets]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):7-8.

(Presented at the Academy meeting held on 18 September 1854. The 4-page signature (including pp. 7-10) containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (22 September 1854). The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 7-8) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[138] Ayres, William Orville. 1854. [Descriptions of two new fishes, *Morrhua Californica* and *Grystes lineatus*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):9-10.

(Presented at the Academy meeting held on 2 October 1854. The 4-page signature (including pp. 7-10) containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (6 October 1854). The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 8-10) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[139] Ayres, William Orville. 1854. [Description of a new species of fish, *Clypeocottus robustus*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):11-12.

(Presented at the Academy meeting held on 9 October 1854. The 4-page signature (including pp. 11-14) containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (13 October 1854). The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 10-11) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[140] Ayres, William Orville. 1854. [Descriptions of some fish]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):13-14.

(Presented at the Academy meeting held on 23 October 1854. The 4-page signature (including pp. 11-14) containing this presentation was printed sometime before

December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (27 October 1854). The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 12-13) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2412] Kellogg, Albert. 1854. [On a drawing and specimen of *Lavatera assurgentiflora*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):14-15.

(Presented at the Academy meeting held on 23 October 1854. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing p. 15 of this paper bears the date December 25, 1854; The preceeding page is undated and may have been printed sometime before December 1854.

The article was reprinted in 1873 (pp. 13-14) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[141] Ayres, William Orville. 1854. [Sturgeons found in our waters]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[25 December]):15-16.

(Paper presented at the Academy meeting held on 27 November 1854. Signature containing this presentation was print dated 25 December.

This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (1 December 1854). The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 15-16 of this paper bears the date December 25, 1854.

The article was reprinted in 1873 (pp. 14-16) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2413] Kellogg, Albert. 1854. [On a new species of *Hydrocotyle*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[25 December]):15.

(Presented at the Academy meeting held on 30 October 1854. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing p. 15 of this paper bears the date December 25, 1854.

The article was reprinted in 1873 (pp. 14) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[142] Ayres, William Orville. 1854. [Descriptions of fishes]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[25 December]):17-18.

(Paper presented at the Academy meeting held on 4 December 1854. Signature containing this presentation was print dated 25 December.

This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (8 December 1854). The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 17-18 of this paper bears the date December 25, 1854.

The article was reprinted in 1873 (p. 16-17) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[335] Behr, Hans Hermann. 1854. [Description of a parasitic shrub found in the vicinity of San Francisco]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[25 December]):17.

(Paper presented at the Academy meeting held on 4 December 1854. Signature containing this presentation was print dated 25 December.

This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing p. 17 of this paper bears the date December 25, 1854.

The article was reprinted in 1873 (p. 16) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[143] Ayres, William Orville. 1854-1855. [Descriptions of fishes]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[25 December/1 January]): 18-19.

(Paper presented at the Academy meeting held on 11 December 1854.

This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (15 December 1854). The newspaper columns were then rearranged and printed in a signature in

Proceedings style; the signature containing p. 18 (pp. 15-18) of this paper has a signature print date of 25 Dec.; the signature, including p. 19 of this paper, has a print date of 1 January 1855 (signature pp. 19-22) and includes additional remarks presented at Academy meetings held on 18 and 25 Dec.

The article was reprinted in 1873 (p. 17-18) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[3613] Swan, J. G. 1854-1855. [Experiments on the application of tar to cordage]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[25 December/1 January]):19.

(Paper presented at the Academy meeting held on 18 December 1854.

This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing p. 19 of this paper was printed sometime between 25 December 1854 and 1 January 1855

The article was reprinted in 1873 (p. 18) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[144] Ayres, William Orville. 1855. [Two new cyprinoid fish]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[1 January]):20-21.

(Paper presented at the Academy meeting held on 18 December 1854. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (22 December 1854). The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 20-21 has a print date of 1 January 1855.

The article was reprinted in 1873 (p. 18-20) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2414] Kellogg, Albert. 1855. [Description of a fern from Shoalwater Bay]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[1 January]):20.

(Paper presented at the Academy meeting held on 18 December 1854. Signature containing this presentation was print dated 1 January [1855].

The article was reprinted in 1873 (p. 19) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[145] Ayres, William Orville. 1855. [Description of a new Cyprinoid fish]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[1 January]):21-22.

(Paper presented at the Academy meeting held on 25 December 1854. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (29 December 1854). The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 20-21 has a print date of 1 January 1855.

The article was reprinted in 1873 (pp. 20-21) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[146] Ayres, William Orville. 1855. [On two species of *Liparis*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[1 February]):23-24.

(Paper presented at the Academy meeting held on 8 January 1855. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (12 January 1855). The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 23-24 has a print date of 1 February 1855.

The article was reprinted in 1873 (p. 21-23) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[147] Ayres, William Orville. 1855. [Descriptions of fishes]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[1 February]):25-27.

(Paper presented at the Academy meeting held on 22 January 1855. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (26 January 1855). The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 25-27 has a print date of 1 February 1855.

The article was reprinted in 1873 (p. 24-26) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2415] Kellogg, Albert. 1855. [New species of plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[1 February]):25.

(Paper presented at the Academy meeting held on 15 January 1855. Signature containing this presentation was print dated 1 February [1855].)

[2416] Kellogg, Albert. 1855. [A linariad considered new ... found by Dr. Andrews near Punta de los Reyes]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[19 February]):27.

(Paper presented at the Academy meeting held on 29 January 1855. Signature containing this presentation was print dated 19 February [1855].)

[2417] Kellogg, Albert. 1855. [On a (new) native millet]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[19 February]):27.

(Paper presented at the Academy meeting held on 29 January 1855. Signature containing this presentation was print dated 19 February [1855], but it is likely it was actually printed a few days later, most likely before 26 February and certainly before 12 March.)

[2418] Kellogg, Albert. 1855. [Notes on the olive (*Olea Europea*)]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[5 February]):27-28.

(Paper presented at the Academy meeting held on 5 February 1855. Signature containing this presentation was print dated 19 February [1855].)

[148] Ayres, William Orville. 1855. [Description of a lamprey]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[19 February]):28.

(Paper presented at the Academy meeting held on 5 February 1855. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (9 February 1855). The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing p. 28 has a print date of 19 February 1855, but it is likely it was actually printed a few days later, most likely before 26 February and certainly before 12 March 1855. The article was reprinted in 1873 (p. 26-27) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[3675] Trask, John Boardman. 1855. Descriptions of *Naiades* from the Sacramento River. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1): 28-29.

(Presented at the Academy meeting held 12 February 1855. Signature containing this presentation was print dated 19 February [1855], but it is likely it was actually printed a few days later, most likely before 26 February and certainly before 12 March.)

[3676] Trask, John Boardman. 1855. A new species of *Alasmodon* from the Yuba River. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):30.

(Presented at the Academy meeting held 19 February 1855. Signature containing this presentation was print dated 19 February [1855], but it is likely it was actually printed a few days later, most likely before 26 February and certainly before 12 March.)

[149] Ayres, William Orville. 1855. [On a specimen representing a new generic type among fishes]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):31-32.

(Paper presented at the Academy meeting held on 26 February 1855. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting (2 March 1855). The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 31-32 is not dated but assuredly was printed before 12 March 1855.

The article was reprinted in 1873 (pp. 30-31) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2419] Kellogg, Albert. 1855. [On a variety of *Lonicera californica* or California yellow honeysuckle]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):31.

(Paper presented at the Academy meeting held on 26 February 1855. The obverse side of p. 33, that is p. 34, bears the signature date of 12 March so that it is likely that the signature bearing this and several early presentations following 19 February (i.e., pages 31-34) were printed late in the evening of 12 March.)

[150] Ayres, William Orville. 1855. [Description of a new fish species, *Catostomus labiatus*, with additional remarks on *Catostomus*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):32-33.

(Paper presented at the Academy meeting held on 5 March 1855. The obverse side of p. 33, on which the description appears, that is p. 34, bears the signature date of 12 March so that it is likely that the signature bearing this and several early presentations following 19 February (i.e., pages 31-34) were printed late in the evening of 12 March.

However, the presentation did not appear in the *The Pacific*, a newspaper published in San Francisco, until 16 March 1855. Ordinarily, the newspaper columns were then rearranged and printed in a signature in *Proceedings* style following their publication in the newspaper; but the *Proceedings* signature bearing the Ayres presentation is dated 12 March, a discrepancy that is difficult to explain. Whatever the case, the latest date for the appearance of the new taxon is 16 March 1855.

The article was reprinted in 1873 (p. 31-32) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[151] Ayres, William Orville. 1855. [Description of a new

ichthyic type]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):33-34,35.
(Paper presented at the Academy meeting held on 12 March 1855. The obverse side of p. 33, that is p. 34, bears the signature date of 12 March so that it is likely that the signature bearing this and several early presentations following 19 February (i.e., pages 31-34) were printed late in the evening of 12 March. Page 35 is part of the four-page signature that bears printing the date 26 March. However, the presentation did not appear in the *The Pacific*, a newspaper published in San Francisco, until 23 March 1855. Ordinarily, the newspaper columns were then rearranged and printed in a signature in *Proceedings* style following their publication in the newspaper; but the *Proceedings* signature bearing the Ayres presentation is dated 12 March, a discrepancy that is difficult to explain. Whatever the case, the latest date for the appearance of the new taxon is 23 March 1855.
The article was reprinted in 1873 (p. 32-35) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2420] Kellogg, Albert. 1855. [Comments on *Arabis blepharophylla*, or Cal. purple rock-cress]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):33.
(Presented at the Academy meeting held 12 March 1855. The obverse side of p. 33, that is p. 34, bears the signature date of 12 March so that it is likely that the signature bearing this and several early presentations following 19 February (i.e., pages 31-34) were printed late in the evening of 12 March.)

[92] Antisell, Thomas. 1855. [Fossils from San Luis Obispo County]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):35-36.
(Presented as a communication at the Academy meeting held 12 March 1855. Pages 35-38 constitute a four-page signature that bears the printing date 26 March.
Reprinted in 1873, PCANS, 2nd ed., pp. 34-35 [*q.v.*].)

[1543] Gibbons, William Peters. 1855. [Description of a new trout]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):36-37.
(Presented at the Academy meeting held 19 March 1855. Pages 35-38 constitute a four-page signature that bears the printing date 26 March. However, the presentation did not appear in the *The Pacific*, a newspaper published in San Francisco, until 30 March 1855. Ordinarily, the newspaper columns were then rearranged and printed in a signature in *Proceedings* style following their publication in the newspaper; but the *Proceedings* signature bearing the Gibbons presentation is dated 26 March, a discrepancy that is difficult to explain. Whatever the case, the latest date for the appearance of the new taxon is 30 March 1855.
The article was reprinted in 1873 (p. 35-36) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2421] Kellogg, Albert. 1855. [Remarks on a specimen and seeds of *Cyclobothra*, a plant of the tulip family]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[26 March]):36.
(Paper presented as a communication at the Academy meeting held on 19 March 1855. Pages 35-38 constitute a four-page signature that bears the printing date 26 March.)

[152] Ayres, William Orville. 1855. [Remarks on an abnormal development of a canine fetus]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):37.
(Paper presented at the Academy meeting held on 19 March 1855. Pages 35-38 constitute a four-page signature that bears the printing date 26 March. But, because the issue of *The Pacific* did not appear until 30 March 1855, there is a question about the dating of the signature preceding publication of the newspaper.)

[2422] Kellogg, Albert. 1855. [Remarks on the California Elecampane]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[26 March]):37-38,39.
(Paper presented as a communication at the Academy meeting held on 26 March 1855. Pages 35-38 constitute a four-page signature that bears the printing date 26 March; the 4-page signature that includes p. 39 bears a printing date of April 9.)

[2423] Kellogg, Albert. 1855. [Notes on some plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[26 March/2 April]):38-39.
(Paper presented as a communication at the Academy meeting held on 26 March 1855. Pages 35-38 constitute a four-page signature that bears the printing date 26 March; pages 39-42 are included in a 4-page signature dated 2 April 1855.)

[216] Ayres, William Orville, and John Boardman Trask. 1855. [Report of the committee to make an examination in regard to a method for preserving submerged timber from the attacks of the ship worm]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):39.
(Presented as a communication at the Academy meeting held 2 April 1855. Pages 39-42 constitute a four-page signature that bears the printing date of April 9.)

[153] Ayres, William Orville. 1855. [A new flounder]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[2 April]):40-41.
(Paper presented at the Academy meeting held on 2 April 1855. The presentation appeared in the *The Pacific*, a newspaper published in San Francisco, on 6 April 1855. Ordinarily, the newspaper columns were then rearranged and printed in a signature in *Proceed-*

ings style following their publication in the newspaper; but it is uncertain when the *Proceedings* signature bearing the Ayres presentation was issued other than in early April. Whatever the case, the taxon must be dated as of 6 April 1855.

The article was reprinted in 1873 (p. 39-40) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[3677] Trask, John Boardman. 1855. [A new ammonite from Arbuckle's Diggins, Shasta County]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[9 April]):40.

(Presented as a communication at the Academy meeting held 2 April 1855. Pages 39-42 constitute a four-page signature that bears the printing date of April 9.)

[3678] Trask, John Boardman. 1855. [Descriptions of fossil shells from the Tertiary deposits of the Lower Coast]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):41-42, 43.

(Pages 41-42 are part of a 4-page signature dated April 9; p. 43 is included in a 4-page signature that carries only the month, April, but it is flanked by signatures dated April 9 and April 30.)

[154] Ayres, William Orville. 1855. [Descriptions of fishes]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[April]):43-45.

(Paper presented at the Academy meeting held on 16 April 1855. The presentation appeared in the *The Pacific*, a newspaper published in San Francisco, on 20 April 1855. Ordinarily, the newspaper columns were then rearranged and printed in a signature in *Proceedings* style following their publication in the newspaper; the signature, including pages 43-45, carries only the month, April, but it is flanked by signatures dated April 9 and April 30. Nonetheless, the taxon can be dated as of 20 April 1855.

The article was reprinted in 1873 (p. 42-44) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2424] Kellogg, Albert. 1855. [Remarks on *Leptarrhena inundata* Behr]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):45-46.

(Pages 45-46 are included in a 4-page signature that carries only the month, April, but it is flanked by signatures dated April 9 and April 30.)

[2425] Kellogg, Albert. 1855. [Comments on a new species of *Bahia* and *Anoplanthus uniflorus*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):45.

(Comments presented at the Academy meeting held 16 April 1855.)

[2426] Kellogg, Albert. 1855. [Remarks on lillial plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):46-47.

(Paper presented at the Academy meeting held on 30 April 1855. Pages 45-46 are included in a 4-page signature that carries only the month, April, but it is flanked by signatures dated April 9 and April 30. Inasmuch as the paper was presented on 30 April, the signature, including pp. 46 and 47, must have been printed late that evening.)

[155] Ayres, William Orville. 1855. [On a fish believed to be new]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):47-48.

(Paper presented at the Academy meeting held on 30 April 1855. The *Proceedings* pages 47-48 are included in a 6-page signature [47-52] dated April 30. However, the presentation appeared in the *The Pacific*, a newspaper published in San Francisco, on 4 May 1855. Ordinarily, the newspaper columns were printed first and then rearranged and printed in a signature in *Proceedings* style following their publication in the newspaper. Whatever the case, the taxon can assuredly be dated as of 4 May 1855.

The article was reprinted in 1873 (p. 46-47) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[336] Behr, Hans Hermann. 1855. [Remarks on a native silk worm of California]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):47.

(Page 47 is included in an 6-page signature [47-52] dated April 30.)

[1544] Gibbons, William Peters. 1855. [Description of a new species of crab]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[30 April]): 48-49.

(Pages 48-49 are included in a 6-page signature [47-52] dated April 30.)

[3987] Winslow, C. F. 1855. Causes of tides, earthquakes, rising of continents, and variations of magnetic force. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[30 April]):49-52.

(Pages 49-52 are included in a 6-page signature [47-52] dated April 30.)

[2587] Kellogg, Albert, and Hans Hermann Behr. 1855. [Species of *Taxodium* improperly described by English authors as *Wellingtonia*, commonly known as the "Great tree" of California]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):53.

(Paper presented at the Academy meeting held 7 May. The two pages, 53-54, are undated but they must have been in May because they are followed by a signature dated May, 1855.)

[156] Ayres, William Orville. 1855. [Remarks on the

ground mole]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):54.
(Paper presented at the Academy meeting held 21 May. Two pages, 53-54, are undated but they must have been in May because they are followed by a signature dated May, 1855.)

[157] Ayres, William Orville. 1855. [On a new species of fish of the genus *Apodichthys*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1): 55-56.
(Presented at the Academy meeting held on 21 May and printed shortly thereafter, during the month of May.)

[2427] Kellogg, Albert. 1855. [Two new species of violets]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):55-56.
(Page 55 is dated May 1855, pages 56-58 are undated but p. 58 includes reports presented at the Academy meeting held on 4 June; pages 55-58 are followed by p. 59, which is dated July 1855)

[2428] Kellogg, Albert. 1855. [On four species of *Ceanothus*, or tea-tree]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[May]):55.
(Paper presented at the Academy meeting held on 21 May; page 55 is included in a signature dated May, 1855)

[2429] Kellogg, Albert. 1855. [On *Asclepias acornutum* Kellogg]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[21 May]):55.

[2430] Kellogg, Albert. 1855. [Remarks on a species of *Senecio*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):56.
(Remarks presented at the Academy meeting held on 28 May. Page 56 appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June; pages 55-58 are followed by p. 59, which is dated July 1855.)

[2431] Kellogg, Albert. 1855. [Remarks on a beautiful *Pentstemon*, or beardtongue supposed to be new]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):56-57.
(Remarks presented at the Academy meeting held on 28 May. Page 57 appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June; pages 55-58 are followed by p. 59, which is dated July 1855)

[2432] Kellogg, Albert. 1855. [A new and interesting species of *Egletes*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[28 May]):57.
(Remarks presented at the Academy meeting held on 28 May. Page 57 appears to be part of a signature that includes pages 55-58, which are dated May 1855; these are followed by p. 59, which is dated July 1855)

[2433] Kellogg, Albert. 1855. [On a herbaceous vine from the vicinity of Placerville]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):57.
(Remarks presented at the Academy meeting held on 4 June. Page 57 appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June (in error shown as June 4, 1854); pages 55-58 are followed by p. 59, which is dated July 1855)

[2434] Kellogg, Albert. 1855. [On a species of *Fritillaria*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):57.
(Presented at the Academy meeting held on 4 June (shown in error as June 4, 1854) and published sometime between then and July 1855.)

[2435] Kellogg, Albert. 1855. [On a new *Vicia*, or Vetch, from Placerville]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):57.
(Presented at the Academy meeting held on 4 June (shown in error as June 4, 1854) and published sometime between then and July 1855.)

[2436] Kellogg, Albert. 1855. [On *Torreya Californica* and *Leptarrhena inundata* Behr]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):57-58.
(Presented at the Academy meeting held on 4 June 1855 (but in error shown as June 4, 1854) and published sometime between then and July 1855.)

[158] Ayres, William Orville. 1855. [On a new fish of the genus *Cebidichthys*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):58-59.
(Presented at the Academy meeting held 4 June. Page 58 is undated but it is sandwiched in between pages 55-56, dated May, 1855, and 59, which is dated July 1855)

[2437] Kellogg, Albert. 1855. [On a new species of *Ceanothus* from Placerville]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):58.
(Page 58 undated; Kellogg's remarks were presented at the Academy meeting held on 4 June; page 58 is followed by p. 59, which is dated July 1855)

[2438] Kellogg, Albert. 1855. [A specimen of *Oenothera*, or Cupid's primrose]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):58.
(Remarks presented at the Academy meeting held 4 June. Page is undated but lies between pages 55-56, dated May, 1855, and 59-62, dated July 1855)

[2439] Kellogg, Albert. 1855. [Description of a small and beautiful *Mimulus*. Also specimens and drawing of *Amelanchier Canadensis* var. *alnifolia*. Also a drawing and specimens of *Maderia elegans* ?]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):59.
(Remarks presented at the Academy meeting held on 11 June. Page 59 bears the date July, 1855.)

[2440] Kellogg, Albert. 1855. [On an *Azalea* from the interior. Also a purple-flowered *Oenothera* from Alameda]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):60-61.

(Remarks presented at the Academy meeting held on 18 June; pages 60-61 were printed sometime in July 1855.)

[159] Ayres, William Orville. 1855. [Remarks on the skull of a sea lion from the Farallon Islands]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):61.
(Presented at the Academy meeting held 25 June 1855; pages 60-61 were printed sometime in July 1855.)

[337] Behr, Hans Hermann. 1855. [On a new genus and species of plant]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):61.
(Remarks presented at the Academy meeting held on 25 June; page 61 was printed sometime in July 1855.)

[1037] Davis, Horace. 1855. [On a series of geological specimens from mining shafts]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):61.
(Remarks presented at the Academy meeting held on 25 June 1855; page 61 was printed sometime in July 1855.)

[2441] Kellogg, Albert. 1855. [Specimens of *Polygala* from Placerville]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):61-62.
(Remarks presented at the Academy meeting held on 2 July; pages 61-62 were printed sometime in July 1855.)

[160] Ayres, William Orville. 1855. [A new scomberoid fish]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):62-63.
(Remarks presented at the Academy meeting held on 2 July; pages 62-63 were printed sometime in July 1855.)

[2442] Kellogg, Albert. 1855. [On a new and singular *Pentstemon*. Also, on a *Lonicera* from the interior.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):62.
(Remarks presented at the Academy meeting held on 2 July; page 62 was printed sometime in July 1855.)

[2443] Kellogg, Albert. 1855. [Remarks on a species of wild black mountain currant]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):63-64.
(Presented at the Academy meeting held on 16 July and printed in August.)

[161] Ayres, William Orville. 1855. [Description of a new species of whiting]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):64.
(Presented at the Academy meeting held 16 July and printed in August.)

[2444] Kellogg, Albert. 1855. [On a remarkable species of *Malvastrum*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):65.
(Presented at the Academy meeting held on 23 July and printed in August.)

[2445] Kellogg, Albert. 1855. [Remarks on a specimen of *Hypericum*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):65.
(Presented at the Academy meeting held on 23 July and printed in August.)

[2446] Kellogg, Albert. 1855. [On a specimen of *Asclepias* from Marysville]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):65-66.

[162] Ayres, William Orville. 1855. [Description of a fish representing a type, entirely new to our waters]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):66-67.
(Presented at the Academy meeting held on 6 August 1855 and printed in August and/or September.)

[2447] Kellogg, Albert. 1855. [On a new species of *Rubus* or raspberry]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):67.
(Presented at the Academy meeting held on 13 August and printed in September.)

[2448] Kellogg, Albert. 1855. [On a species of oak brought by Col. L. Ransom from Mariposa]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[September]):67.
(Presented at the Academy meeting held 13 August 1855 and printed in September; but see also p. 71, dated Nov. 1855.)

[163] Ayres, William Orville. 1855. [Remarks on the Echinodermata of the coast of California]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):68.
(Presented at the Academy meeting held 20 August 1855 and printed in September.)

[338] Behr, Hans Hermann. 1855. [A new plant brought by Mr. Froebel from the lower coast]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):69.
(Presented at the Academy meeting held 27 August 1855 and printed sometime in September.)

[2655] Lanszweert, L. 1855. [Report on the mineral waters sent from Red Bluffs, Shasta County]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1): 69-70.
(Presented at the Academy meeting held 27 August 1855 and printed sometime in September.)

[164] Ayres, William Orville. 1855. [On a new species of cramp fish, *Torpedo*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):70-71.
(Paper presented at the Academy meeting held 10 September 1855 and printed sometime later in September.)

[2449] Kellogg, Albert. 1855. [On a species of *Castanea*, or California evergreen chestnut and a species of oak]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1[November]):71.
(Comments presented at the Academy meeting held on 17 September and published in a signature, which includes p. 71, dated Nov. 1855; but see also p. 67, dated Sept. 1855 for first description of *Quercus fulvescens*.)

[165] Ayres, William Orville. 1855. [Remarks on and description of a shark of a new generic type]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):72-73.
(Paper presented at the Academy meeting held 8 October 1855 and printed sometime in November.)

[2656] Lanszweert, L. 1855. [Comments on a means of preventing smut in wheat]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):74.
(Remarks presented at the Academy meeting held on 12 November and printed in a four-page signature dated Nov. 1855. The next signature, starting with p. 75 is dated Dec., 1853 [*sic*].)

[166] Ayres, William Orville. 1855. [Comments on some fish referred to the genera *Hemilepidotus* or *Scorpaenichthys*, with description of a new genus and species]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):75-77.
(Presented at the Academy meeting held on 24 December 1855 and published by year's end on 31 December.)

[167] Ayres, William Orville. 1855. [Remarks on a collection of fishes made by Lieut. W.P. Trowbridge at or near Cape Flattery, W.T.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(1):75.

[3679] Trask, John Boardman. 1856. On the earthquakes in California, from 1812 to 1855. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):80-82.
(Presented at the Academy meeting held 14 January. This article was also published in the *American Journal of Science*, ser. 2, 22[July 1856] :110-116, pls. 2-3. Also reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 85-89 [*q.v.*].)

[3680] Trask, John Boardman. 1856. Description of a new species of ammonite and baculite, from the Tertiary rocks of Chico Creek. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):85-86, pl. 2.
(Presented at the Academy meeting held 17 March. Also reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 92-93 [*q.v.*].)

[3681] Trask, John Boardman. 1856. Description of three new species of the genus *Plagiostoma*, from the Cretaceous rocks of Los Angeles. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):86, pl. 3.
(Presented at the Academy meeting held 17 March 1856. Also reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 93-94 [*q.v.*].)

[2450] Kellogg, Albert. 1856. [Remarks on an *Ephedra* or joint fir]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):87.
(Presented at the Academy meeting held 21 April 1856. Also reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 94 [*q.v.*].)

[3572] Stimpson, William. 1856. On some California Crustacea. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):87-90.
(Presented at the Academy meeting held 28 April 1856. Also reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 95-99 [*q.v.*].)

[168] Ayres, William Orville. 1856. [Description of a new species of mackerel]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):92.
(Paper presented at the Academy meeting held 20 October 1856. Also reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 101-102 [*q.v.*].)

[3682] Trask, John Boardman. 1857. [On earthquakes in California during 1856]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):93-94.
(Presented at the Academy meeting held 12 January 1857. Also reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 102-104 [*q.v.*].)

[448] Blake, William Phipps. 1857. Note on the occurrence of telluret of silver in California. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2): 96-97.
(Paper presented at the Academy meeting held 23 February 1857. Also reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 107-108 [*q.v.*].)

[2451] Kellogg, Albert. 1857. [On a new species of oak]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):96.
(Paper presented at the Academy meeting held on January 25, 1857. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 106 [*q.v.*].)

[3683] Trask, John Boardman. 1857. On the direction and velocity of the earthquake in California, January 9, 1857. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):98.
(Presented at the Academy meeting held 30 March 1857. Also reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 109-110 [*q.v.*].)

[3684] Trask, John Boardman. 1857. On some new microorganisms. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):99-100, pl. 6*.
(Presented at the Academy meeting held sometime between 30 March and 5 October 1857 [incomplete data]. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 112-114 [*q.v.*]. Plate 6, though cited in the text, was withdrawn by Trask before publication [see p. 99, *Leptosiagon gracilis* ng. ns.— Trask — Plate 6 et seq.]. The plate titled "Fumorales of the Colorado Desert" to accompany the presentation by J.A. Veatch, "Notes of a visit to the "Mud Volcanoes" in the Colorado Desert . . ." [*q.v.*, pp. 104-108], was then renumbered plate 6.)

[3685] Trask, John Boardman. 1857. [Nine new species of zoophytes from the Bay of San Francisco]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):100-102, pls. 4-5.
(Presented at the Academy meeting held sometime between 30 March and 5 October 1857 [incomplete data]. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 112-113 [*q.v.*].)

[1504] Garrett, Andrew. 1857. [New species of marine

shells from the Sandwich Islands]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):102-103.
(Presented at the Academy meeting held sometime between 30 March and 5 October 1857 [incomplete data]. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 114-115 [*q.v.*].)

[2452] Kellogg, Albert. 1857. [On a new species of cypress]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):103-104.
(Presented at the Academy meeting held 5 October 1857. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 115-116 [*q.v.*].)

[321] Beardsley, A. F. 1857. [Remarks on *Cupressus fragrans*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):104.
(Remarks included in paper presented by Albert Kellogg at the Academy meeting held 5 October 1857 [*q.v.*]. Also reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 116 [*q.v.*].)

[3827] Veatch, John A. 1857. Notes of a visit to the "mud volcanoes" in the Colorado Desert, in the month of July A.D., 1857. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2):104-108.
(Presented at the Academy meeting held 7 December 1857. Also reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 116-121 [*q.v.*].)

[3686] Trask, John Boardman. 1858. Earthquakes in California during the year 1857. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 1(2): 108-109.
(Presented at the Academy meeting held 11 January 1858. Also reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 121-122 [*q.v.*].)

[2453] Kellogg, Albert. 1858. [On a new species of *Cyclobothra*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:4-5.
(Paper presented at the Academy meeting held on July 26, 1858.)

[2454] Kellogg, Albert. 1858. [On a new species of *Calochortus*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:5.
(Paper presented at the Academy meeting held on August 2, 1858)

[2455] Kellogg, Albert. 1858. [On a new species of *Campanula*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:5-6.
(Paper presented at the Academy meeting held on August 2, 1858)

[2456] Kellogg, Albert. 1858. [On a new species of *Brodiaea*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:6.
(Paper presented at the Academy meeting held on October 25, 1858.)

[3828] Veatch, John A. 1859. [On the occurrence of boracic acid in the sea-water of the Pacific]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:7-8.
(Presented at the Academy meeting held 17 January 1859.)

[2457] Kellogg, Albert. 1859. [On a new species of *Abies* from Fort Langley]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:8-9.
(Paper presented at the Academy meeting held on January 24, 1859.)

[2458] Kellogg, Albert. 1859. [On a new species of *Fritillaria* from New Idria, California]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:9-10.
(Paper presented at the Academy meeting held on April 25, 1859.)

[2459] Kellogg, Albert. 1859. [On a new species of *Collinsia* found by Dr. Lanszweert, in the vicinity of Oakland]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:10.
(Paper presented at the Academy meeting held on June 13, 1859.)

[2460] Kellogg, Albert. 1859. [On a specimen of liliaceous plant, brought from New Idria by Dr. J.A. Veatch and cultivated by Mr. H.G. Bloomer; a plant closely allied to *Hesperescordium* and probably new.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:10-11.
(Paper presented at the Academy meeting held on July 18, 1859.)

[2461] Kellogg, Albert. 1859. [On a a new plant of the Asphodel family, found by Dr. J.A. Veatch at New Idria, and cultivated by Mr. H.G. Bloomer, botanical curator to the Academy]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:11-12, pl. [unnumbered; facing p. 11].
(Paper presented at the Academy meeting held on July 18, 1859.)

[2462] Kellogg, Albert. 1859. [On a new species of *Lilium*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:12-13, pl. [unnumbered; facing p. 12].
(Although Kellogg introduces the name *Lilium paradalinum*, the accompanying plate is titled *Lilium pardalium* Kellogg, clearly a printer's error. Paper presented at the Academy meeting held August 1, 1859.)

[2463] Kellogg, Albert. 1859. [On a new species of lily from the Sierra Nevada]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:13-14.
(Paper presented at the Academy meeting held on August 1, 1859.)

[2464] Kellogg, Albert. 1859. [On a new species of *Ledum* from the Sierra Nevada]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:14.
(Description read at the Academy meeting held on August 29, 1859.)

[2465] Kellogg, Albert. 1859. [On two new species of *Pentstemon*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:14-15.
(Description read at the Academy meeting held on

September 19, 1859.)

[2466] Kellogg, Albert. 1859. [On new genera and species of plants, found by Dr. J.A. Veatch, at Cerros Island]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:15-20, 3 pls. [unnumbered], one in color.
(Paper presented at the Academy meeting held on September 26, 1859. Kellogg described *Pentstemon cerrosensis* on p. 19 but the plate bears the name *Pentstemon cerrosiana*.)

[2467] Kellogg, Albert. 1859. [On a new *Calliproa* from Mariposa.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:20.
(Paper presented at the Academy meeting held on September 26, 1859.)

[2468] Kellogg, Albert. 1859. [On plants brought from Cerros Island by Dr. J.A. Veatch]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:20-22, col. pl.
(Paper presented at the Academy meeting held on October 2, 1859. Kellogg talks about *Simmondsia pabulosa*, which he says is "probably undescribed," but he uses the name *Galphimia pabulosa* on the accompanying plate.)

[2469] Kellogg, Albert. 1859. [On plants brought from Cerros Island by Dr. J.A. Veatch.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:22-25, col. pl. [unnumbered; facing p. 24].
(Paper presented at the Academy meeting held on October 10, 1859.)

[169] Ayres, William Orville. 1859. [On new fishes of this [California] coast]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:25-32.
(Presented at the Academy meeting held 17 October 1859. Outline figures for the new species were published in 1860 [see pp. 53-59].)

[2470] Kellogg, Albert. 1859. [On a new and very remarkable species of *Oenothera*, brought from Cerros Island by Dr. John A. Veatch.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:32-33, col. pl. [unnumbered; facing p. 32].
(Paper presented at the Academy meeting held on October 24, 1859.)

[2471] Kellogg, Albert. 1859. [Description of a new species of *Mentzelia*, from Cerros Island, presented by Dr. J.A. Veatch.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:33-34, col. pl. [unnumbered; facing p. 33].
(Paper presented at the Academy meeting held on November 14, 1859.)

[2472] Kellogg, Albert. 1859. [On new species of *Fouquieraceae*, brought from Lower California, by Dr. J.A. Veatch.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:34-35, col. pl. [unnumbered; facing p. 34].
(Paper presented at the Academy meeting held on November 20, 1859.)

[2473] Kellogg, Albert. 1859. [Description of a new Composite, brought from Cerros Island, by Dr. J.A. Veatch; a plant of the natural order *Rudbeckieae*, closely allied to the genus *Echinacea*.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:35-36, col. pl. [unnumbered; facing p. 35].
(Paper presented at the Academy meeting held on November 20, 1859.)

[2474] Kellogg, Albert. 1859. [On a new species of Oak, brought from Clear Lake by Mr. A.A. Veatch.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:36.
(Paper presented at the Academy meeting held on November 30, 1859.)

[2475] Kellogg, Albert. 1859. [On a new species of *Rhamnus* from the vicinity of Clear Lake.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2 ([2 December]):36-37.
(Paper presented at the Academy meeting held on December 2, 1859.)

[2476] Kellogg, Albert. 1859. [[Description of a new species of *Juniperus*, brought from Cerros Island, by Dr. J.A. Veatch.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:37-38.
(Paper presented at the Academy meeting held on December 2, 1859.)

[3687] Trask, John Boardman. 1859. Earthquakes in California during 1858. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:38-39.
(Presented at the Academy meeting held 2 December 1859.)

[2477] Kellogg, Albert. 1860. [On a new genus of plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:46-48, fig. 1.
(Paper presented at the Academy meeting held on March 5, 1860.)

[2478] Kellogg, Albert. 1860. [Description of a new species of *Trillium*, collected by Mr. Gibbs]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:48-50, fig. 2.
(Paper presented at the Academy meeting held on May 7, 1860.)

[2479] Kellogg, Albert. 1860. [Description of a new species of *Sisyrinchium*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:50-52, fig. 3.
(Paper presented at the Academy meeting held on June 4, 1860.)

[170] Ayres, William Orville. 1860. [Description of a new genus to accommodate *Brosmius marginatus* Ayres, 1854]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:52-59.
(Presented at the Academy meeting held 2 July 1860.)

[171] Ayres, William Orville. 1860. [Outline figures of species of fish described in a paper read before the Academy on October 17th, 1859]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:53-59,

figs. 4-10.
(These outline figures are meant to accompany Ayres' earlier descriptions of new species (see Ayres, 1859, pp. 25-32))

[172] Ayres, William Orville. 1860. [Descriptions of new fishes]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:60-64, figs. 11-12.
(Presented at the Academy meeting held 6 August 1860.)

[2480] Kellogg, Albert. 1860. [Description of a new plant that probably belongs to *Hemizonia*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:64-66, fig. 13.
(Paper presented at the Academy meeting held on September 3, 1860.)

[2481] Kellogg, Albert. 1860. [Description of a *Lonicera* recently brought from Washoe by Dr. J.A. Veatch.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:66-69, fig. 15.
(Paper presented at the Academy meeting held on September 3, 1860.)

[2482] Kellogg, Albert. 1860. [Observations on the white-flowered rosin weed]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:69-71, fig. 14.
(Paper presented at the Academy meeting held on September 3, 1860.)

[2483] Kellogg, Albert. 1860. [On a new species of *Abronia* brought from Carson Valley, Washoe, by Mr. Andrew A. Veatch.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:71-72, fig. 16.
(Paper presented at the Academy meeting held on September 3, 1860.)

[173] Ayres, William Orville. 1860. [Descriptions of two new species of *Atherinopsis*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:73-77, figs. 17-19.
(Presented at the Academy meeting held 1 October 1860.)

[174] Ayres, William Orville. 1861. [Descriptions of new species of fishes found in San Francisco markets]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:77-81, figs. 20-21.
(Presented at the Academy meeting held 5 November 1860; pages 77-81 are included in the volume signature that was printed sometime after 4 February 1861.)

[175] Ayres, William Orville. 1861. [Descriptions of new fishes]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:81-86, figs. 22-23.
(Presented at the Academy meeting held 3 December 1860; pages 81-86 are included in the volume signature that was printed sometime after 4 February 1861.)

[2484] Kellogg, Albert. 1861. [Description of a species of *Polypodium* found in the vicinity of San Francisco, springing from the crevices of rocks]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:88-91, fig. 24.
(Paper presented at the Academy meeting held on January 21, 1861.)

[3688] Trask, John Boardman. 1861. Earthquakes in California in 1860. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:90-91.

[3000] Newcomb, W. 1861. [Descriptions of new shells]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:91-94.
(Presented at the Academy meeting held 4 February 1861; pages 91-94 are included in the signature that was printed sometime before December 1861.)

[2485] Kellogg, Albert. 1861. [Description of *Ribes balsamifera*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:94-96, fig. 25.
(Paper presented at the Academy meeting held on February 18, 1861.)

[2486] Kellogg, Albert. 1861. [Descriptions of new plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:97-102, figs. 26-29.
(Paper presented at the Academy meeting held on February 25, 1861; pages 97-102 are included in the signature that was printed sometime before December 1861.)

[3001] Newcomb, W. 1861. [Descriptions of new shells]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:103-104.
(Presented at the Academy meeting held 18 March 1861; pages 103-104 are included in the signature that was printed sometime before December 1861.)

[2487] Kellogg, Albert. 1861. [Description of a new species of *Chlorogalum* (Soap Plant) brought from Shasta by Mr. Andrew A. Veatch]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:104-106, fig. 30.
(Paper presented at the Academy meeting held on April 1, 1861; pages 104-106 are included in the signature that was printed sometime before December 1861.)

[2488] Kellogg, Albert. 1861. [Remarks on an interesting shrub from Cerros Island]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:106-108, figs. 31 [1-6] and 1 unnumbered [7].
(Paper presented at the Academy meeting held on April 1, 1861; pages 106-108 are included in the signature that was printed sometime before December 1861.)

[2489] Kellogg, Albert. 1861. [Descriptions of new plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:109-110, fig. 32 [8].
(Paper presented at the Academy meeting held on April 15, 1861; pages 109-110 are included in the signature that was printed sometime before December 1861.)

[2490] Kellogg, Albert. 1861. [Descriptions of new plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:110-114, figs. 33-35.
(Paper presented at the Academy meeting held on May 5, 1861; pages 110-114 are included in the signature that was printed sometime before December 1861.)

[2491] Kellogg, Albert. 1861. [Descriptions of new plants].

Proceedings of the California Academy of Natural Sciences, ser. 1, 2:115-118, figs. 36-37.
(Paper presented at the Academy meeting held on June 2, 1861; pages 115-118 are included in the signature that was printed sometime before December 1861.)

[817] Cooper, James Graham. 1861. New Californian animals. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:118-123.
(Paper presented at the Academy meeting held July 7, 1861; pages 118-123 are included in the signature that was printed sometime before December 1861.)

[2492] Kellogg, Albert. 1861. [On a new species of *Hosackia* presented by Dr. Andrews]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:123, fig. 38.
(Paper presented at the Academy meeting held on July 21, 1861; page 123 is included in the signature that was printed sometime before December 1861.)

[2493] Kellogg, Albert. 1861. [Description of a new species of *Ceanothus* brought by Dr. J.A. Veatch from Washoe]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:123-125, fig. 39.
(Paper presented at the Academy meeting held 21 July 1861; pages 123-125 are included in the signature that was printed sometime before December 1861.)

[2494] Kellogg, Albert. 1861. [Description of *Hosackia balsamifera*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([December]):125-127, fig. 40.
(Paper presented at the Academy meeting held 21 July 1861; page 125 is included in signature 9 that is dated Dec., 1861.)

[3164] Pumpelly, Raphael. 1861. Mineralogical sketch of the silver mines of Arizona. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([December]): 127-139.
(Presented at the Academy meeting held 5 August 1861; pages 122-140 appear to be included in signature 9, which is dated Dec., 1861 and which precedes signature 10, dated April 1862.)

[3182] Ransom, Leander. 1861-1862. Declination of the magnetic needle. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([December/April]): 139-140,141-142.
(Paper presented at the Academy meeting held 19 August 1861; pages 139-140 are included in a 16-page signature dated December 1861; pages 141-142 are included in a signature dated April 1862.)

[2495] Kellogg, Albert. 1862. [On a new and quite anomalous plant from the head-waters of the Carson River]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([April]):142-144,146, fig. 41.
(Paper presented at the Academy meeting held 2 September 1861.)

[2496] Kellogg, Albert. 1862. [New plants from the head-waters of Carson River presented by Mr. C.D. Gibbs]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([April]):145,146-148, figs. 42-43.
(Paper presented at the Academy meeting held on October 6, 1861. Figure 42 is printed on p. 145, which precedes the article for which it is intended that begins on p. 146.)

[2497] Kellogg, Albert. 1862. [Description of a species of *Lathyrus* sent from Washoe by Dr. Lanszweert]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([April]):149-150, fig. 44.
(Paper presented at the Academy meeting held on October 20, 1861; figure 44 is printed on p. 149, which precedes the article for which it is intended that begins on p. 150.)

[2498] Kellogg, Albert. 1862. [On a form of *Ceanothus* found in Yo-Semite Valley, by Madam Werthermann [and a new] *Streptanthus* from the Sierra Nevada presented by Mr. C.D. Gibbs]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([April]): 151-154, figs. 45-46.
(Paper presented at the Academy meeting held on November 3, 1861; figure 45 is printed on p. 151, which precedes the article for which it is intended that begins on p. 152.)

[2499] Kellogg, Albert. 1862. [Description of *Lonicera intermedia*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([April]):154-155, fig. 47.
(Paper presented at the Academy meeting held on 17 November 1861. Pages included in signature 10, printed in April, 1862 or signature 11, printed in September 1862 [most likely the latter based on the change in untrimmed paper size used in the press run].)

[176] Ayres, William Orville. 1862. A new ichthyic form, from the coast of Lower California. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2: 156, 157-158, fig. 48.
(The signature, including page 156, may have been printed in April 1862, but based on the change in untrimmed paper size, it appears that it was printed along with pages 157-158 in September 1862 the date printed at the bottom of p. 157. The paper was presented at the Academy meeting held on 1 December 1861.)

[2500] Kellogg, Albert. 1862. Description of a plant brought from the coast range at some point north of San Francisco. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([September]):158-159, fig. 49.
(Paper presented at the Academy meeting held on 15 December 1861 but not issued until September 1862.)

[2501] Kellogg, Albert. 1862. [Description of a new species of *Astragulus* from the Sierra Nevada, near the head waters of Carson River]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:161-162, fig. 50.
(Paper presented at the Academy meeting held on 20 January 1862; pages 161-162 are included in an undated 8-page signature issued sometime between Septem-

ber and December 1862.)

[3897] Whitney, Josiah Dwight. 1862. [Note on a specimen of cinnabar from Nevada Territory]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:161.
(Presented at the Academy meeting held 20 January 1862; page 161 was printed sometime between September and December 1862.)

[177] Ayres, William Orville. 1862. [Some remarkable facts connected with the recent floods in this State]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:163.
(Presented at the Academy meeting held 3 February 1862; page included in an undated 8-page signature issued sometime between September and December 1862.)

[2502] Kellogg, Albert. 1862. [The following boraginaceous plant, collected by Mr. H.G. Bloomer, Botanical Curator to the Academy, is common in the vicinity of San Francisco]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:163-165, fig. 51.
(Paper presented at the Academy meeting held on 17 February 1862; page included in an undated 8-page signature issued sometime between September and December 1862.)

[1486] Gabb, William More. 1862. Description of two new species of *Pennatulidae* from the Pacific Coast of the United States. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([September]):166-167.
(Paper presented at the Academy meeting held 3 March 1862; page included in an undated 8-page signature issued sometime between September and December 1862.)

[339] Behr, Hans Hermann. 1862. [On certain butterflies (genus *Danais*) of California]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:167-169.
(Presented at the Academy meeting held 17 March 1862; pages are included among a group of pages that were issued sometime between September and December 1862.)

[1487] Gabb, William More. 1862. Descriptions of two new species of Cephalopodes in the Museum of the California Academy of Natural Sciences. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2: 170-172.
(Presented at the Academy meeting held 7 April 1862; pages are included among a group of pages that were issued sometime between September and December 1862.)

[340] Behr, Hans Hermann. 1862. Our California Argynnides. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([December]):172-177.
(Presented at the Academy meeting held on 21 April 1862; page 172 is included among a group of pages that were issued sometime between September and December 1862; page 173 is imprinted as signature 12, and dated Dec., 1862.)

[474] Bolander, Henry N. 1862. [Comments on grasses found in the Academy's Herbarium]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2 ([December]):177-178.
(Paper presented at the Academy meeting held 21 April 1862; pages 173 through 188 were printed sometime between Dec. 1862 (signature stamp 12 appears on p. 173) and Jan. 1863; the latter date is imprinted on page 189, which is also stamped as signature 13.)

[475] Bolander, Henry N. 1862. Descriptions of plants. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:179,181-182.
(Paper presented at the Academy meeting held 7 July 1862; pages 173 through 188 were printed sometime between Dec. 1862 (signature stamp 12 appears on p. 173) and Jan. 1863; the latter date is imprinted on page 189, which is also stamped as signature 13.)

[2503] Kellogg, Albert. 1862. [Description of *Lilium parvum*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:179, fig. 52.
(Paper presented at the Academy meeting held on 2 June 1862; pages 173 through 188 were printed sometime between Dec. 1862 [signature stamp 12 appears on p. 173] and Jan. 1863; the latter date is imprinted on page 189, which is also stamped as signature 13.)

[2504] Kellogg, Albert. 1862. [On a species of *Trixis* brought from Cerros Island by Dr. J.A. Veatch]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:182-184, fig. 53.
(Paper presented at the Academy meeting held on 4 August 1862; pages 173 through 188 were printed sometime between Dec. 1862 [signature stamp 12 appears on p. 173] and Jan. 1863; the latter date is imprinted on page 189, which is also stamped as signature 13.)

[2505] Kellogg, Albert. 1862. [Descriptions of new plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:185-187,188, figs. 54-55.
(Paper presented at the Academy meeting held on 2 September 1862; pages 173 through 188 were printed sometime between Dec. 1862 [signature stamp 12 appears on p. 173] and Jan. 1863; the latter date is imprinted on page 189, which is also stamped as signature 13.)

[2506] Kellogg, Albert. 1862. [Description of a *Spraguea* brought by Mr. C.H. Dorr, from Nevada Territory]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2:187,189, fig. 56.
(Page 187 was probably included in signature published in December 1862 but p. 189, which bears figure 56, is included in the next signature, which was printed in January 1863. Paper presented at the Academy meeting held on 2 September 1862.)

[2507] Kellogg, Albert. 1863. [Three new species, *Audibertia dorrii*, *Lupinus stiverii* and *Lupinus confertus*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([January]):190-195, figs. 57-59.
(Paper presented at the Academy meeting held on

6 October 1862)

[2508] Kellogg, Albert. 1863. [Descriptions of new species of *Lupinus*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([January]):195-198, figs. 60-61.
(Presented at the Academy meeting held on 3 November 1862.)

[449] Blake, William Phipps. 1863. [The great trees of Mariposa and other localities in California]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([January]):199-201.
(Paper communicated to Academy meeting held 3 November 1862.)

[818] Cooper, James Graham. 1863. [On some new genera and species of California Mollusca (collected by him)]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([January]):202-207.
(Paper read at the Academy meeting held 3 November 1862 and published in January 1863.)

[178] Ayres, William Orville. 1863. [Statement in regard to *Sebastes rosaceus* and *S. ruber*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([January]):206-208, figs. 62-62.
(Paper read at the Academy meeting held 3 November 1862.)

[179] Ayres, William Orville. 1863. [Fishes believed to be new . . . with remarks in relation to the fishes of California, which are included in Cuvier's genus *Sebastes*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([January]):209-218, figs. 64-68.
(Presented at the Academy meeting held 3 November 1862.)

[3898] Whitney, Josiah Dwight. 1863. Which is the highest mountain in the United States, and which in North America? *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([January]):219-224.
(Paper read at the Academy meeting held 15 December 1862.)

[2509] Kellogg, Albert. 1863. [Descriptions of new species of plants]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 2([January]):224-232, figs. 69-73.
(Paper read at the Academy meeting held on 15 December 1862.)

[476] Bolander, Henry N. 1863. Description of a new species of *Melica*. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([April]):4-5.
(Paper presented at the Academy meeting held 19 January 1863 and published in a 16-page signature dated April 1863.)

[3899] Whitney, Josiah Dwight. 1863. On the inaccuracy of the English Census, so far as it relates to the metallic and mineral statistics of the United States. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 ([April]):6-7.
(Paper presented at the Academy meeting held 2 February 1863; pages 6-7 are included in a 16-page signature dated April 1863.)

[819] Cooper, James Graham. 1863. [Substitute name for genus *Strategus* Cooper, preoccupied]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 ([April]):8.
(Comments presented at the Academy meeting held 2 February 1863; page 8 is included in a 16-page signature dated April 1863.)

[1793] Harris, R. L. 1863. [Some remarks on the comparative friction of car-wheels, on an iron track, when rolling and sliding]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([April]):8.
(Comments presented at the Academy meeting held 2 February 1863; page 8 is included in a 16-page signature dated April 1863.)

[3900] Whitney, Josiah Dwight. 1863. [On the association of gold with mispickel (arsenical pyrites)]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[April]):8.
(Remarks presented at the Academy meeting held on 2 February, 1863 and published in a 16-page signature dated April 1863. At the same meeting, Richthofen remarked that gold occurs associated with mispickel in Silesia.)

[2510] Kellogg, Albert. 1863. Description of two new species of plants from Nevada Territory. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 ([April]):9-10, fig. 1, fig. 16 [see p. 68].
(Paper presented at the Academy meeting held 16 February 1863; pages 9-10 are included in a 16-page signature dated April 1863. Figure 1 published with the text in April; figure 16 was not printed until November of 1863 [see page 68 of the *Proceedings*].)

[3901] Whitney, Josiah Dwight. 1863. [Remarks on errors in *Petermann's Mittheilungen* relating to comments by John Xantus on location of quicksilver mine in Lower California]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[April]):12.
(Remarks made at the Academy meeting held on 16 February and published in a 16-page signature dated April 1863.)

[3225] Rémond, Auguste. 1863. Description of two species of *Scutella*. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([April]):13-14.
(Paper presented at the Academy meeting held 2 March 1863; pages 13-14 are included in a 16-page signature dated April 1863.)

[3226] Rémond, Auguste. 1863. Description of two new species of bivalve shells, from the Tertiaries of Contra Costa County. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[April]):13.
(Paper presented at the Academy meeting held 2 March 1863; page 13 is included in a 16-page signature dated April 1863.)

[180] Ayres, William Orville. 1863. [Remarks in relation to

the genus *Notorhynchus*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([April]):15.
(Comment presented at the Academy meeting held 2 March 1863; page 15 is included in a 16-page signature dated April 1863.)

[3902] Whitney, Josiah Dwight. 1863. [Remarks on an interesting collection of Japanese minerals and fossils, in the possession of J.H. Van Reed, Esq.]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 (1[April]):15-16.
(Comment presented at the Academy meeting held 2 March 1863 and published in ae 16-page signature dated April 1863.)

[2511] Kellogg, Albert. 1863. Description of two new species of *Collomia* from Nevada Territory. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 (1[May]):17-19, figs. 2-3.
(Paper presented at the Academy meeting held 16 March 1863; pages 17-19 are included in a 16-page signature dated May 1863.)

[2512] Kellogg, Albert. 1863. Description of a new genus and species of plant from Nevada Territory. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 (1[May]):20-21, fig. 4.
(Paper presented at the Academy meeting held 8 April 1863; pages 20-21 are included in a 16-page signature dated May 1863.)

[820] Cooper, James Graham. 1863. [Description of a new Californian mollusc, discovered by Rev. Joseph Rowell, at Marysville]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[May]):21-22, fig. 5.
(Paper presented at the Academy meeting held 20 April 1863; pages 21-22 are included in a 16-page signature dated May 1863. The description in this paper was communicated to the Academy by Dr. James Graham Cooper, who attributes it to the Rev. Rowell.)

[3323] Rowell, Joseph in Cooper, James Graham. 1863. [Description of a new Californian mollusc, discovered by Rev. Joseph Rowell, at Marysville]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([May]):21-22, fig. 5.
(Paper presented at the Academy meeting held 20 April 1863; pages 21-22 are included in a 16-page signature dated May 1863. The description in this paper was communicated to the Academy by Dr. James Graham Cooper, who attributes it to the Rev. Rowell.)

[3903] Whitney, Josiah Dwight. 1863. [Remarks on the progress of the State Geological Survey of California]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[May]):23-29.
(Remarks presented at the Academy meeting held 4 May 1863; pages 23-29 are included in a 16-page signature dated May 1863.)

[624] Brush, George J. 1863. [Results of a chemical investigation of the meteoric iron presented to the city of San Francisco, by General Carleton]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 (1[May]):30-32.
(Letter to J.D. Whitney and read at the Academy meeting held 4 May 1863and published in a 16-page signature dated May 1863.)

[3904] Whitney, Josiah Dwight. 1863. [Remarks on meteoric iron presented to the city of San Francisco, by General (James H.) Carleton]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[May/September]):30-32,33-35.
(Paper presented at the Academy meeting held 4 May 1863. Includes letter from George J. Brush on a chemical analysis of the Arizona meteorite and a letter of transmittle from Gen. James H. Carleton (Tucson, Arizona) to Gen. George Wright in San Francisco; pages 30-32 are included in a 16-page signature dated May 1863; pages 33-35 are included in a 16-page signature dated September 1863.)

[411] Blake, James. 1863. Infusoria from the moving sands in the neighborhood of San Francisco. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 (1[September]):35-36.
(Presented at the Academy meeting held 4 May 1863; pages 35-36 are included in a 16-page signature dated September 1863.)

[2513] Kellogg, Albert. 1863. Description of two new species of plants. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[September]): 36-38, figs. 6-7.
(Paper presented at the Academy meeting held 4 May 1863; pages 36-38 are included in a 16-page signature dated September 1863.)

[2514] Kellogg, Albert. 1863. Description of a new species of *Hosackia*. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):38-40, fig. 8.
(Paper presented at the Academy meeting held 1 June 38-40 are included in a 16-page signature dated September 1863.)

[2515] Kellogg, Albert. 1863. Description of a new species of *Mentzelia*. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[September]):40-41, fig. 9.
(Paper presented at the Academy meeting held 15 June 1863; pages 40-41 are included in a 16-page signature dated September 1863.)

[2516] Kellogg, Albert. 1863. Description of three new plants. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):41-44, figs. 10-12.
(Paper presented at the Academy meeting held 6 July 1863; pages 41-44 are included in a 16-page signature dated September 1863. Figure 10 appears on p. 41 in advance of the article, which begins on page 42.)

[412] Blake, James. 1863. On the gradual elevation of the land in the environs of San Francisco. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[September]):45-46.
(Paper presented at the Academy meeting held 6 July

1863; pages 45-46 are included in a 16-page signature dated September 1863. Blake comments [p. 46], "I have no doubt that it will be found that every shock of an earthquake is accompanied by an elevation of the land.")

[3376] Scudder, Samuel H. 1863. [Extract of letter to Dr. Hans Hermann Behr relating to butterflies of the genera *Argynnides* and *Danais*]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[September]): 47.
(Extract of letter read at the Academy meeting held 20 July 1863; page 47 is included in a 16-page signature dated September 1863.)

[3905] Whitney, Josiah Dwight. 1863. [Further remarks on the Arizona meteorite]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]): 48-50.
(Paper read at the Academy meeting held 20 July 1863; pages 48-50 are included in a 16-page signature dated September 1863.)

[3227] Rémond, Auguste. 1863. Description of four new species of Echinodermata, from the tertiaries of Contra Costa County. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[September]):52-54.
(Paper presented [by W.M. Gabb in behalf of A. Rémond] at the Academy meeting held 20 July 1863; pages 52-54 are included in a 16-page signature dated September 1863.)

[2517] Kellogg, Albert. 1863. Description of new species of *Allium*. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[September]):54-55, fig. 13.

[821] Cooper, James Graham. 1863. On new or rare Mollusca inhabiting the coast of California.— No. II. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[September]):56-60, fig. 14.
(Pages 56-60 are included in a 16-page signature dated September 1863.

[2518] Kellogg, Albert. 1863. Description of a new species of *Alsine*. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[September]):61.
(Paper presented at the Academy meeting held 17 August 1863; page 61 is included in a 16-page signature dated September 1863.)

[822] Cooper, James Graham. 1863. On a new genus of terrestrial Mollusca inhabiting California. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1 [September]):62, fig. 15.
(Paper presented at the Academy meeting held 7 September 1863; page 62 is included in a 16-page signature dated September 1863.)

[1505] Garrett, Andrew. 1863. Descriptions of new species of fishes. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[September/November]): 63-66, 98, fig. [p. 98, unnumbered].
(Paper presented at the Academy meeting held 7 September 1863. Pages 63-64 included in 16-page signature dated September 1863; pages 65-66 are included in 16-page signature dated November 1863; unnumbered figure of *Ophisurus californiensis* printed on p. 98, which is included in 16-page signature dated January 1864.)

[181] Ayres, William Orville. 1863. [Remarks on a specimen of barnacle found floating at sea]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 (1[November]):66-67.
(Remarks presented at the Academy meeting held on 7 September and published in a 16-page signature dated November 1863.)

[823] Cooper, James Graham. 1863. On new genera and species of California fishes— No. I. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([November]):70-77, figs. 17-19.
(Paper presented at the Academy meeting held 2 November 1863; pages 17-19 are included in a 16-page signature dated November 1863.)

[477] Bolander, Henry N. 1863. Enumeration of shrubs and trees growing in the vicinity of the mouth of San Francisco Bay. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([November/December]): 78-80, 81-83.
(Paper presented at the Academy meeting held 16 November 1863; pages 78-80 are included in a 16-page signature dated November 1863 and pages 81-83 are in a second 16-page signature dated December 1863.)

[341] Behr, Hans Hermann. 1863. On Californian Lepidoptera— No. III. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[December]): 84-93.
(Presented at the Academy meeting held 16 November 1863 and published in a 16-page signature dated December 1863.)

[824] Cooper, James Graham. 1863. On new genera and species of Californian fishes— No. II. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3(1[December/January]):93-97, figs. 20-21.
(Paper presented at the Academy meeting held 16 November 1863. Pages 93-96 included in 16-page signature dated December 1863; page 97 included in signature dated January 1864.)

[1626] Gray, Asa. 1864. Descriptions of new Californian plants— No. I. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]):101-103.
(Paper read by W.H. Brewer on behalf of Asa Gray at the Academy meeting held 4 January 1864 and published in a 16-page signature dated January 1864.)

[1506] Garrett, Andrew. 1864. Descriptions of new species of fishes— No. II. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]):103-107.
(Paper read by W.O. Ayres on behalf of Andrew Garrett at the Academy meeting held 4 January 1864 and published in a 16-page signature dated January 1864.)

[825] Cooper, James Graham. 1864. On new genera and species of Californian fishes— No. III. *Proceedings of*

the California Academy of Natural Sciences, ser. 1, 3 ([January/March]):108-114, figs. 23-25.
(Paper presented at the Academy meeting held 4 January 1864; pages 108-112 are included in a 16-page signature dated January 1864; pages 113-114 are included in a 16-page signature dated March 1864. Also see note on p. 114 relating to numbering of figures on p. 110.)

[3002] Newcomb, W. 1864. Descriptions of nine new species of *Helix* inhabiting California. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 ([March]):115-119.
(Paper presented at the Academy meeting held 18 January 1864 and published in a 16-page signature dated March 1864.)

[583] Brewer, William Henry. 1864. Notice of plants found growing in hot springs in California. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 ([March]):120-121.
(Paper presented at the Academy meeting held 1 February 1864 and published in a 16-page signature dated March 1864.)

[1488] Gabb, William More. 1864. Description of a new species of *Virgularia* from the coast of California. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([March]):120.
(Paper presented at the Academy meeting held 1 February 1864 and published in a 16-page signature dated March 1864.)

[3003] Newcomb, W. 1864. Description of a new species of *Pedicularia*. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([March]):121-122.
(Paper presented at the Academy meeting held 1 February 1864 and published in a 16-page signature dated March 1864.)

[342] Behr, Hans Hermann. 1864. On Californian Lepidoptera. No. IV. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([March]):123-127.
(Presented at the Academy meeting held 1 March 1864 and published in a 16-page signature dated March 1864.)

[3689] Trask, John Boardman. 1864. Earthquakes in California during the year 1863. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([March]): 127-128.
(Paper presented at the Academy meeting held 1 March 1864 and published in a 16-page signature dated March 1864.)

[3690] Trask, John Boardman. 1864. Earthquakes in California during the year 1800 to 1864 [including a section titled "On the direction and velocity of the earthquake in California, January 9, 1857"]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([July]):130-153, table 1 [see pp. 144-146 for section on 9 Jan. 1857 earthquake].
(Paper presented at the Academy meeting held 18 April 1864; pages 130-144 are included in a one 16-page signature dated July 1864; pages 145-153 included in second 16-page signature also dated July 1864. Whether or not both 16-page signatures were printed at the same time is not known.)

[1489] Gabb, William More. 1864. On Cretaceous fossils from Sahuaripa Valley, State of Sonora, Mexico, discovered by August Rémond. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([July]):153-154.
(Paper presented at the Academy meeting held 2 May 1864 and published in the second of two 16-page signatures dated July 1864.)

[698] Carpenter, Philip P. 1864. Descriptions of new marine shells from the coast of California. Part I. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 ([July]):155-159.
(Paper presented at the Academy meeting held 11 July 1864 and published in the second of two 16-page signatures dated July 1864.)

[3986] Wilson, John. 1864. [On some Indian relics from the State of Chihuahua, Mexico]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([July/December]):160-161.
(Portion of letter from John Wilson presented at the Academy meeting held 18 July 1864 by Leander Ransom; page 160 is included in the second of two 16-page signatures dated July 1864; page 161 is included in the 16-page signature dated December 1864.)

[343] Behr, Hans Hermann. 1864. Notes on Californian Satyrides. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([December]):163-166.
(Presented at the Academy meeting held 5 September 1864 and published in a 16-page signature dated December 1864.)

[450] Blake, William Phipps. 1864. Note on a large lump of gold found on the Middle Flork of the American River. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([December]):166.
(Paper presented at the Academy meeting held 5 September 1864 and published in a 16-page signature dated December 1864.)

[451] Blake, William Phipps. 1864. Note on the fossil remains of the horse and elephant, mingled, at Mare Island, San Francisco Bay. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([December]):166.
(Paper presented at the Academy meeting held 5 September 1864 and published in a 16-page signature dated December 1864.)

[452] Blake, William Phipps. 1864. Ammonites or Ceratites from Oregon Bar, Middle Fork of the American River. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([December]):167.
(Paper presented at the Academy meeting held 5 September 1864 and published in a 16-page signature dated December 1864.)

[2946] Moore, Gideon E. 1864. On Brushite, a new miner-

al occuring in phosphatic guano. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([December]):167-168.
(Paper presented at the Academy meeting held 5 September 1864 and published in a 16-page signature dated December 1864.)

[453] Blake, William Phipps. 1864. Note on the discovery of fossils in the auriferous slate formation of the Mariposa Estate, California, and their probable geological age. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([December]):170.
(Paper presented at the Academy meeting held 3 October 1864 and published in a 16-page signature dated December 1864.)

[584] Brewer, William Henry. 1864. [An account of recent explorations in the Sierra Nevada]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 ([December]):170.
(Paper presented at the Academy meeting held 3 October 1864 and published in a 16-page signature dated December 1864.)

[763] Clayton, Joshua E. 1864. [Remarks on a fossil tooth of Elephant,and several fossil teeth of Horse, from Wellington's Station]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([December]): 171-172.
(Remarks presented at the Academy meeting held 17 October 1864 and published in a 16-page signature dated December 1864.)

[1490] Gabb, William More. 1864. Notes on some fossils from the gold bearing slates of Mariposa, with description of some new species. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([December]):172-173.
(Remarks presented at the Academy meeting held 17 October 1864 and published in the 16-page signature dated December 1864.)

[1491] Gabb, William More. 1864. Communication on the San Luis Obispo quicksilver fossils. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([December]):173-174.
(Remarks presented at the Academy meeting held 21 November 1864 and published in a 16-page signature dated December 1864.)

[956] Dana, James Dwight. 1864. On the crystallization of Brushite. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([December]):174-175.
(Remarks presented at the Academy meeting held 21 November 1864 and published in a 16-page signature dated December 1864.)

[699] Carpenter, Philip P. 1864/1865. On new Californian marine shells. No. II. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([December/ January]):175-177.
(Remarks presented at the Academy meeting held 21 November 1864; pages 175-176 are included in a 16-page signature dated December 1864; page 177, including the description of *Leptonyx bacula*, is included in a 16-page signature dated January 1865.)

[344] Behr, Hans Hermann. 1865. On Californian Lepidoptera. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]):178-179.
(Remarks presented at the Academy meeting held 9 January 1865 and published in a 16-page signature dated January 1865.)

[3004] Newcomb, W. 1865. Description of new species of land shells. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]):179-182.
(Remarks presented at the Academy meeting held 9 January 1865 and published in a 16-page signature dated January 1865.)

[1492] Gabb, William More. 1865. Description of new species of marine shells from the coast of California. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]):182-190.
(Paper presented at the Academy meeting held 9 January 1865 and published in a 16-page signature dated January 1865.)

[3691] Trask, John Boardman. 1865. Earthquakes in Califonia during 1864. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]): 190-192.
(Paper presented at the Academy meeting held 9 January 1865 and published in a 16-page signature dated January 1865.)

[454] Blake, William Phipps. 1865. New mineral oil regions in the Tulare Valley. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([February]): 193.
(Paper presented at the Academy meeting held 6 February 1865 and published in a 16-page signature dated February 1865, but this must be in error because printed on the obverse are notices about meetings held in March. The next signature, starting with p. 209, is dated February 1896.)

[455] Blake, William Phipps. 1865. Note upon the occurrence of sphene in the granite of the Sierra Nevada. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([February]):193.
(Paper presented at the Academy meeting held 6 February 1865 and published in a 16-page signature dated February 1865, but this must be in error because printed on the obverse are notices about meetings held in March. The next signature, starting with p. 209, is dated February 1896.)

[3148] Preiss, Edward. 1865. *Euphorbia prostrata* as a remedy for the bite of venomous animals. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3:195-196.
(Letters read by Dr. Behr at the Academy meeting held 20 March 1865 and published in a 16-page signature dated February 1865, but this must be in error because

printed on the obverse of p. 193 are notices about meetings held in March et seq. The next signature, starting with p. 209, is dated February 1896.)

[585] Brewer, William Henry. 1865. Occurrence of fossils in the auriferous slates of California. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3:198.
(Communication presented at the Academy meeting held 1 May 1865 and published in a 16-page signature dated February 1865, but this must be in error because printed on the obverse of p. 193 are notices about meetings held in March *et seq*. The next signature, starting with p. 209, is dated February 1896.)

[3090] Pease, W., Harper. 1865. On the existence of an atoll near the west coast of America, and proof of its elevation. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3:199-201.
(Communication presented at the Academy meeting held 19 June 1865 and published in a 16-page signature dated February 1865, but this must be in error because printed on the obverse of p. 193 are notices about meetings held in March *et seq*. The next signature, starting with p. 209, is dated February 1896.)

[3664] Torrey, John. 1865. [Remarks on plants from the Sierra Nevada, California]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3:202.
(Remarks made at the Academy meeting held 3 July 1865 and published in a 16-page signature dated February 1865, but this must be in error because printed on the obverse of p. 193 are notices about meetings held in March *et seq*. The next signature, starting with p. 209, is dated February 1896.)

[2288] Jackson, Charles T. 1865. Big trees of Calaveras County. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3:204-205.
(Paper presented at the Academy meeting held 7 August 1865; pages 204-205 are included in a 16-page signature dated February 1865, but the date must be in error because printed on the obverse of p. 193 are notices about meetings held in March *et seq*. The next signature, starting with p. 209, is dated February 1866.)

[894] Croft, C. J. 1865. The grasses of Arizona. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3:205-206.
(Paper presented at the Academy meeting held 21 August 1865 and published in 16-page signature dated February 1865, but this must be in error because printed on the obverse of p. 193 are notices about meetings held in March *et seq*. The next signature, starting with p. 209, is dated February 1896.)

[456] Blake, William Phipps. 1865. Note on the abundance of iron ore in northern Arizona. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3:206-207.
(Paper presented at the Academy meeting held 4 September 1865 and published in a 16-page signature dated February 1865, but this must be in error because printed on the obverse of p. 193 are notices about meetings held in March *et seq*. The next signature, starting with p. 209, is dated February 1896.)

[700] Carpenter, Philip P. 1865. Descriptions of new marine shells from the coast of California. Part III. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3:207-208, 209-224.
(Paper presented at the Academy meeting held 4 September 1865. Pages 207-208 are included in 16-page signature dated February 1865, but the February date must be in error because printed on the obverse of p. 193 are notices about meetings held in March *et seq*. The next signature, starting with p. 209, is dated February 1866; this signature includes pages 209-224 of Carpenter's article.)

[478] Bolander, Henry N. 1866. Remarks on California trees. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([February]):225-233.
(Paper presented at the Academy meeting held 16 October 1865 and published in a 16-page signature dated February 1866.)

[457] Blake, William Phipps. 1866. Notice of a peculiar astringent gum or coloring substance in the cones of the *Sequoia gigantea*. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([February]):234.
(Paper presented at the Academy meeting held 18 December 1865 and published in a 16-page signature dated February 1866.)

[458] Blake, William Phipps. 1866. Ammonites in the auriferous slates of California. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([February]):235.
(Paper presented at the Academy meeting held 18 December 1865 and published in a 16-page signature dated February 1866.)

[929] Dall, William Healey. 1866. Memorial sketch of Thomas Bridges, Esq., F.L.S., F.Z.S., and member of the Cala. Acad. Sci. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([February]):236-237.
(Paper presented at the Academy meeting held 8 January 1866 and published in a 16-page signature dated February 1866.)

[685] Canfield, Colbert A. 1866. Notes on *Antilocapra americana*, Ord. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([February]):238.
(Paper presented at the Academy meeting held 5 February 1866 and published in a 16-page signature dated February 1866.)

[3692] Trask, John Boardman. 1866. Earthquakes in California during 1865. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([February]):239-240.
(Paper presented at the Academy meeting held 19 February 1866 and published in a 16-page signature dated February 1866.)

[3906] Whitney, Josiah Dwight. 1866. [Some remarks on the nature and distribution of meteorites which have, up to the present time, been discovered on the Pacific Coast and in Mexico]. *Proceedings of the California Academy*

of Natural Sciences, ser. 1, 3([February/May]):240-242.
(Paper presented at the Academy meeting held 19 February 1866; page 240 is included in 16-page signature dated February 1866; pages 241-242 included in 16-page signature dated May 1866.)

[930] Dall, William Healey. 1866. Note on *Octopus punctatus*, Gabb. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([May]):243, fig. 27.
(Paper presented at the Academy meeting held 5 March 1866 and published in a 16-page signature dated May 1866.)

[3228] Rémond, Auguste. 1866. Notice of geological explorations in northern Mexico. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([May/August]):244-257.
(Paper presented at the Academy meeting held 5 March 1866; pages 244-256 are included in a 16-page signature dated May 1866; page 257 is the first page of a 16-page signature dated August 1866.)

[826] Cooper, James Graham. 1866. Description of a new California *Helix*, with notes on others already described. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([August]):259-261.
(Paper presented at the Academy meeting held 2 April 1866 and published in a 16-page signature dated August 1866.)

[931] Dall, William Healey. 1866. On a new subfamily of fluviatile Mollusca. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([May/August]): 264-266, fig. 28.
(Paper presented at the Academy meeting held 21 May and published in a 16-page signature dated August 1866.)

[3907] Whitney, Josiah Dwight. 1866. [Remarks on the geology of the State of Nevada]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([August]):266-270.
(Paper presented at the Academy meeting held 21 May and published in a 16-page signature dated August 1866.)

[932] Dall, William Healey. 1866. [Some remarks on the shells which have been collected by various naturalists at and near Monterey]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([August]):271.
(Paper presented at the Academy meeting held 4 June 1866 and published in a 16-page signature dated August 1866.)

[3908] Whitney, Josiah Dwight. 1866. [Some remarks on the absence of the Northern Drift formation from the western coast of North America and from the interior of the continent, throughout the region to the southwest of the Missouri River]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([August]): 271-272.
(Paper presented at the Academy meeting held 4 June 1866 and published in a 16-page signature dated August 1866.)

[3516] Stearns, Robert Edwards Carter. 1867. List of shells collected at Baulines Bay, California, June 1866. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]):275-276.
(Paper presented at the Academy meeting held 16 July 1866 and published in an 8-page signature dated January 1867.)

[3909] Whitney, Josiah Dwight. 1867. Notice of a human skull, recently taken from a shaft near Angel's, Calaveras County. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]):277-278.
(Paper presented at the Academy meeting held 16 July 1866 and published in an 8-page signature dated January 1867.)

[345] Behr, Hans Hermann. 1867. Enumeration of the Californian species of *Lycaena*. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]):279-283.
(Presented at the Academy meeting held 6 August 1866. Page 279-280 are included in an 8-page signature dated January 1867; pages 281-282 are included in a second 8-page signature also dated January 1867.)

[3517] Stearns, Robert Edwards Carter. 1867. List of shells collected at Santa Barbara and San Diego by Mr. J. Hepburn, in February-March 1866. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]):283-286.
(Paper presented at the Academy meeting held 6 August 1866 and published in the second 8-page signature dated January 1867.)

[3910] Whitney, Josiah Dwight. 1867. Notice of the occurrence of a tungstate of lime and copper in Lower California. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]):287-288.
(Paper presented at the Academy meeting held 6 August 1866 and published in the second 8-page signature dated January 1867.)

[459] Blake, William Phipps. 1867. Miscellaneous notes. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]):289-291.
(Paper presented at the Academy meeting held 20 August 1866 and published in the third 8-page signature dated January 1867.)

[3518] Stearns, Robert Edwards Carter. 1867. [Additional remarks on shells from Santa Barbara and San Diego]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]):291.
(Paper presented at the Academy meeting held 20 August 1866 and published in the third 8-page signature dated January 1867.)

[4000] Wood, Alphonso. 1867. [Narrative of the recent ascent of Mount Hood]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]): 292-294.
(Paper presented at the Academy meeting held 3

September 1866 and published in the third 8-page signature dated January 1867.)

[827] Cooper, James Graham. 1867. On a new species of *Pedipes*, inhabiting the coast of California. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]):294-295.
(Paper presented at the Academy meeting held 17 September 1866 and published in the third 8-page signature dated January 1867.)

[460] Blake, William Phipps. 1867. Mineralogical notices. — No. II. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]):297-298.
(Paper presented at the Academy meeting held 15 October 1866 and published in the fourth 8-page signature dated January 1867.)

[3519] Stearns, Robert Edwards Carter. 1867. [Report on the death of Robert Kennicott]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]):298-299.
(Paper presented at the Academy meeting held 15 October 1866 and published in the fourth 8-page signature dated January 1867.)

[1493] Gabb, William More. 1867. On the subdivisions of the Cretaceous formation in California. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 ([January]):301-306.
(Paper presented at the Academy meeting held 19 November 1866; pages 301-304 are included in the fourth 8-page signature dated January 1867, pages 305-306 are in the fifth 8-page signature dated January 1867.)

[461] Blake, William Phipps. 1867. Fossil fish in the Great Basin, Nevada. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]):306-307.
(Paper presented at the Academy meeting held 19 November 1866 and published in the fifth 8-page signature dated January 1867.)

[3911] Whitney, Josiah Dwight. 1867. Notice of the occurrence of the Silurian Series in Nevada. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 ([January]):307-309.
(Paper presented at the Academy meeting held 19 November 1866 and published in the fifth 8-page signature dated January 1867.)

[3912] Whitney, Josiah Dwight. 1867. [Extracts from letters received from Mr. (Auguste) Rémond, giving an account of his geological explorations in Peru and Chile]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([January]):310-311.
(Paper presented at the Academy meeting held 3 December 1866 and published in the fifth 8-page signature dated January 1867.)

[413] Blake, James. 1867. On the nourishment of the foetus in the embiotocoid fishes. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]): 314-317, figs. 30-32.
(Paper presented at the Academy meeting held 21 January 1867 and published in a 16-page signature dated September 1867.)

[479] Bolander, Henry N. 1867. [Remarks on the cones of pines growing in California, the pecularities of the different species, and their distribution]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 ([September]):317-318.
(Paper presented at the Academy meeting held 21 January 1867 and published in a 16-page signature dated September 1867.)

[3913] Whitney, Josiah Dwight. 1867. On the fresh water infusorial deposits of the Pacific Coast, and their connection with the volcanic rocks. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 ([September]):319-324.
(Paper presented at the Academy meeting held 4 February 1867 and published in a 16-page signature dated September 1867.)

[462] Blake, William Phipps. 1867. Notice of fossil elephants' teeth from the Northwest Coast. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 ([September]):325.
(Paper presented at the Academy meeting held 18 February 1867 and published in a 16-page signature dated September 1867.)

[3914] Whitney, Josiah Dwight. 1867. ["Which is the highest mountain in the United States, and which in North America?"]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):325-327.
(Paper presented at the Academy meeting held 18 February 1867 and published in the 16-page signature dated September 1867.)

[3520] Stearns, Robert Edwards Carter. 1867. Remarkable instance of vitality in a snail. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):328-329.
(Paper presented at the Academy meeting held 4 March 1867; page 328 is included in first of three signatures dated September 1867 and page 329 is in the second of three signatures also dated September 1867.)

[480] Bolander, Henry N. 1867. [Remarks in regard to the botanical collections of Mr. Alphonso Woods, in California and Oregon, in 1866]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):329-330.
(Paper presented at the Academy meeting held 4 March 1867 and published in the second of three signatures dated September 1867.)

[1709] Gutzkow, Frederick. 1867. [Remarks on a sheet of metallic silver]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):330.
(Paper presented at the Academy meeting held 4 March 1867 and published in the second of three signatures dated September 1867.)

[828] Cooper, James Graham. 1867. The West Coast helicoid land snails. *Proceedings of the California Academy*

of Natural Sciences, ser. 1, 3([September]):331-339.
(Paper presented at the Academy meeting held 18 March 1867 and published in the second of three signatures dated September 1867.)

[463] Blake, William Phipps. 1867. Origin of the submerged forests in the Columbia River, Oregon. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):339-341.
(Paper presented at the Academy meeting held 18 March 1867 and published in the second of three signatures dated September 1867.)

[3521] Stearns, Robert Edwards Carter. 1867. [Note on a large specimen of *Orthagoriscus analis*, Ayres]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):341.
(Paper presented at the Academy meeting held 18 March 1867 and published in the second of three signatures dated September 1867.)

[3522] Stearns, Robert Edwards Carter. 1867. [Remarks as to the true habitat of *Helix ayresiana*, Newcomb]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):341.
(Paper presented at the Academy meeting held 18 March 1867 and published in the second of three signatures dated September 1867.)

[3523] Stearns, Robert Edwards Carter. 1867. Shells collected at Santa Barbara by W. Newcomb, M.D., in January, 1867. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):343-345.
(Paper presented at the Academy meeting held 1 April 1867; pages 343-344 are included in the second of three signatures dated September 1867 and page 345 is in the third of three signatures dated also September 1867.)

[3524] Stearns, Robert Edwards Carter. 1867. List of shells collected at Purissima and Lobitas, California, October, 1866. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):345-346.
(Paper presented at the Academy meeting held 1 April 1867 and published in the third of three signatures dated September 1867.)

[464] Blake, William Phipps. 1867. Note upon the brown coal formation of Washington Territory and Oregon. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):347.
(Paper presented at the Academy meeting held 1 April 1867 and published in the third of three signatures dated September 1867.)

[465] Blake, William Phipps. 1867. Analysis of Mt. Diablo (California) coal. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]): 348.
(Paper presented at the Academy meeting held 1 April 1867 and published in the third of three signatures dated September 1867.)

[3402] Silliman Jr., Benjamin H. 1867. Notice of a pecular mode of the occurrence of gold and silver in the foothills of the Sierra Nevada, and especially at Whisky Hill, in Placer County, and Quail Hill, in Calaveras County, California. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]): 349-352.
(Paper presented at the Academy meeting held 15 April 1867 and published in the third of three signatures dated September 1867.)

[3322] Rowell, Joseph. 1867. Description of a new species of *Pisidium*. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):353.
(Paper presented at the Academy meeting held 6 May 1867 and published in the third of three signatures dated September 1867.)

[3525] Stearns, Robert Edwards Carter. 1867. Exhibition of Parhelia. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):353.
(Paper presented at the Academy meeting held 6 May 1867 and published in the third of three signatures dated September 1867.)

[3403] Silliman Jr., Benjamin H. 1867. Notice of new localities of diamonds in California. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):354-355.
(Paper presented at the Academy meeting held 6 May 1867 and published in the third of three signatures dated September 1867.)

[3915] Whitney, Josiah Dwight. 1867. [Remarks on the occurrence of diamonds in California]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):355.
(Paper presented at the Academy meeting held 6 May 1867 and published in the third of three signatures dated September 1867.)

[3916] Whitney, Josiah Dwight. 1867. [Remarks on the geological position of coal]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):356.
(Paper presented at the Academy meeting held 6 May 1867 and published in the third of three signatures dated September 1867.)

[3173] Raimondi, Don Antonio. 1867. [Communicated letter received from Sr. Don Antonio Raimondi, of Lima, Peru, with reference to some geological features of that country]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([September]):359-360.
(Letter translated and read by W.M. Gabb at the Academy meeting held 17 June 1867 and published in the third of three signatures dated September 1867.)

[3985] Williamson, R. S. 1868. On the height of Mt. Hood. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([May]):364-367.
(Letter translated and read by W.M. Gabb at the Academy meeting held 16 September 1867 and published in the first of three signatures dated May 1868.)

[933] Dall, William Healey. 1868. [Extracts of letters received from Dall from St. Michael's Russian America,

August 14th, 1867]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([May]):367-368.
(Extracts of letters received from W.H. Dall and read by J.D. Whitney at the Academy meeting held 21 October 1867 and published in the three signatures dated May 1868.)

[1901] Hoffmann, Charles F. 1868. Notes on Hetch-Hetchy Valley. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([May]):367-368.
(Paper presented at the Academy meeting held 21 October 1867 and published in the first of three signatures dated May 1868.)

[414] Blake, James. 1868. On the organs of copulation in the male of the embiotocoid fishes. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 ([May]):371-372.
(Paper read meeting held 4 November 1867 and published in the first of three signatures dated May 1868.)

[3917] Whitney, Josiah Dwight. 1868. [Remarks on the mineral species occurring in California and on the Pacific Coast of America in general]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 ([May]):372-373.
(Paper read meeting held 4 November 1867 and published in the first of three signatures dated May 1868.)

[3918] Whitney, Josiah Dwight. 1868. [Further remarks on the mineral species occurring in California and on the Pacific Coast of America in general]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3 ([May]):374-376.
(Paper read meeting held 18 November 1867 and published in the first of three signatures dated May 1868.)

[3919] Whitney, Josiah Dwight. 1868. [Remarks on the depression of Death Valley]. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([May]):376.
(Remarks made at the Academy meeting held 18 November 1867 and published in the first of three signatures dated May 1868.)

[3404] Silliman Jr., Benjamin H. 1868. Note on three new localities of tellurium minerals in California, and on some mineralogical formations of the Mother Vein. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([May]):378-382.
(Paper presented at the Academy meeting held 2 December 1867 and published in the second of three signatures dated May 1868.)

[3526] Stearns, Robert Edwards Carter. 1868. List of shells collected at Bodega Bay, California, June, 1867. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([May]):382-383.
(Paper presented at the Academy meeting held 2 December 1867 and published in the second of three signatures dated May 1868.)

[3527] Stearns, Robert Edwards Carter. 1868. Shells collected by the U.S. Coast Survey Expedition to Alaska, in the year 1867. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([May]):384-385.
(Paper presented at the Academy meeting held 2 December 1867 and published in the second of three signatures dated May 1868.)

[1588] Goodyear, Watson A. 1868. Salt Spring Valley and the adjacent region in Calaveras County. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([May]):387-399.
(Paper presented at the Academy meeting held 16 December 1867; pages 387-392 are included in the second of three signatures dated May 1868; pages 393-399 are included in the third signature also dated May 1868.)

[469] Bloomer, Hiram George. 1868. On the scientific name of the "Big Trees". *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([May]):399-401.
(Paper presented at the Academy meeting held 16 December 1867 and published in the third signature dated May 1868.)

[3405] Silliman Jr., Benjamin H. 1868. On the occurrence of glauberite at Borax Lake, California. *Proceedings of the California Academy of Natural Sciences*, ser. 1, 3([May]):399.
(Paper presented at the Academy meeting held 16 December 1867 and published in the third signature dated May 1868.)

[182] Ayres, William Orville. 1873. [Descriptions of species of fish, believed to be new]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):3-4.
(Presented at the Academy meeting held on 4 September 1854. The 4-page signature containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issuedjust a few days following the meeting at which the paper was presented.
The article was reprinted in 1873 (pp. 3-4) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[183] Ayres, William Orville. 1873. [Descriptions of new species of *Sebastes*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):5-6.
(Presented at the Academy meeting held on 11 September 1854. The 4-page signature containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which

the paper was presented.

The article was reprinted in 1873 (pp. 5-6) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[184] Ayres, William Orville. 1873. [Further comments on fish species found in the San Francisco markets]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):7-8.

(Presented at the Academy meeting held on 18 September 1854. The 4-page signature containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 7-8) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[185] Ayres, William Orville. 1873. [Descriptions of two new fishes, *Morrhua Californica* and *Grystes lineatus*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):8-10.

(Presented at the Academy meeting held on 2 October 1854. The 4-page signature containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 8-10) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[186] Ayres, William Orville. 1873. [Description of a new species of fish, *Clypeocottus robustus*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):10-11.

(Presented at the Academy meeting held on 9 October 1854. The 4-page signature containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 10-11) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[187] Ayres, William Orville. 1873. [Descriptions of some fish]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):12-13.

(Presented at the Academy meeting held on 23 October 1854. The 4-page signature containing this presentation was printed sometime before December 1854 although the text appeared first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and the 4-page signature, in *Proceedings* style, was probably issued just a few days following the meeting at which the paper was presented.

The article was reprinted in 1873 (pp. 12-13) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2523] Kellogg, Albert. 1873. [On a drawing and specimen of *Lavatera assurgentiflora*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):13-14.

(Presented at the Academy meeting held on 23 October 1854. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing p. 15 of this paper bears the date December 25, 1854; The preceeding page is undated and may have been printed sometime before December 1854.

The article was reprinted in 1873 (pp. 13-14) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[188] Ayres, William Orville. 1873. [Sturgeons found in our waters]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):14-16.

(Paper presented at the Academy meeting held on 27 November 1854. Signature containing this presentation was print dated 25 December.

This presentation was printed first in *The Pacific*, a

newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 15-16 of this paper bears the date December 25, 1854.

The article was reprinted in 1873 (pp. 14-16) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2524] Kellogg, Albert. 1873. [On a new species of *Hydrocotyle*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):14.

(Presented at the Academy meeting held on 30 October 1854. This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing p. 15 of this paper bears the date December 25, 1854.

The article was reprinted in 1873 (pp. 14) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[189] Ayres, William Orville. 1873. [Descriptions of fishes]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):16-17.

(Paper presented at the Academy meeting held on 4 December 1854. Signature containing this presentation was print dated 25 December.

This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 17-18 of this paper bears the date December 25, 1854.

The article was reprinted in 1873 (p. 16-17) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[346] Behr, Hans Hermann. 1873. [Description of a parasitic shrub found in the vicinity of San Francisco]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):16.

(Paper presented at the Academy meeting held on 4 December 1854. Signature containing this presentation was print dated 25 December.

This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing p. 17 of this paper bears the date December 25, 1854.

The article was reprinted in 1873 (p. 16) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[190] Ayres, William Orville. 1873. [Descriptions of fishes]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):17-18.

(Paper presented at the Academy meeting held on 11 December 1854.

This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 18-19 of this paper was printed sometime between 25 December 1854 and 1 January 1855.

The article was reprinted in 1873 (p. 17-18) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[3614] Swan, J. G. 1873. [Experiments on the application of tar to cordage]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):18.

(Paper presented at the Academy meeting held on 18 December 1854.

This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 19 of this paper was printed sometime between 25 December 1854 and 1 January 1855

The article was reprinted in 1873 (p. 18) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[191] Ayres, William Orville. 1873. [Two new cyprinoid fish]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):19-20.

(Paper presented at the Academy meeting held on 18 December 1854.

This presentation was printed first in *The Pacific*, a newspaper published in San Francisco, shortly after the

meeting. The newspaper columns were then rearranged and printed in a signature in *Proceedings* style; the signature containing pp. 20-21 of this paper was printed sometime between 25 December 1854 and 1 January 1855

The article was reprinted in 1873 (pp. 19-20) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2525] Kellogg, Albert. 1873. [Description of a fern from Shoalwater Bay]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):19.

(Paper presented at the Academy meeting held on 18 December 1854. Signature containing this presentation was print dated 1 January [1855].

The article was reprinted in 1873 (p. 19) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[192] Ayres, William Orville. 1873. [Description of a new Cyprinoid fish]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1 (1[November]):20-21.

(Paper presented at the Academy meeting held on 25 December 1854. Signature containing this presentation was print dated 1 January 1855, pp. 20-21.

The article was reprinted in 1873 (pp. 20-21) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[193] Ayres, William Orville. 1873. [On two species of *Liparis*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1 (1[November]):22-23.

(Paper presented at the Academy meeting held on 8 January 1855. Signature containing this presentation [pp. 23-24] was print dated 1 February [1855].

The article was reprinted in 1873 (pp. 22-23) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2526] Kellogg, Albert. 1873. [New species of plants]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):23-24.

(Paper presented at the Academy meeting held on 15 January 1855. Signature containing this presentation [p. 25] was print dated 1 February [1855].

The article was reprinted in 1873 (pp. 23) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[194] Ayres, William Orville. 1873. [Descriptions of fishes]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):24-25.

(Paper presented at the Academy meeting held on 22 January 1855. Signature containing this presentation [pp. 25-27] was print dated 1 February [1855].

The article was reprinted in 1873 (pp. 24-25) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2527] Kellogg, Albert. 1873. [A linariad considered new . . . found by Dr. Andrews near Punta de los Reyes]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):25-26.

(Paper presented at the Academy meeting held on 29 January 1855. Signature containing this presentation [p. 27] was print dated 19 February [1855].

The article was reprinted in 1873 (pp. 25-26) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2528] Kellogg, Albert. 1873. [On a (new) native millet]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):26.

(Paper presented at the Academy meeting held on 29 January 1855. Signature containing this presentation [p. 27] was print dated 19 February [1855], but it is likely it was actually printed a few days later, most likely before 26 February and certainly before 12 March.

The article was reprinted in 1873 (pp. 26) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2529] Kellogg, Albert. 1873. [Notes on the olive (*Olea Europea*)]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):26-27.

(Paper presented at the Academy meeting held on 5 February 1855. Signature containing this presentation [pp. 27-28] was print dated 19 February [1855].

The article was reprinted in 1873 (pp. 26-27) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[195] Ayres, William Orville. 1873. [Description of a lamprey]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):27.

(Paper presented at the Academy meeting held on 5 February 1855. Signature containing this presentation [p. 28] was print dated 19 February [1855], but it is likely it was actually printed a few days later, most likely before 26 February and certainly before 12 March.

The article was reprinted in 1873 (pp. 27) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[3693] Trask, John Boardman. 1873. Descriptions of *Naiades* from the Sacramento River. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):27-28.

(Presented at the Academy meeting held 12 February 1855. Signature containing this presentation [pp. 28-29] was print dated 19 February [1855], but it is likely it was actually printed a few days later, most likely before 26 February and certainly before 12 March.

The article was reprinted in 1873 (pp. 24-25) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[3694] Trask, John Boardman. 1873. A new species of *Alasmodon* from the Yuba River. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):29.

(Presented at the Academy meeting held 19 February 1855. Signature containing this presentation [p. 30] was print dated 19 February [1855], but it is likely it was actually printed a few days later, most likely before 26 February and certainly before 12 March.

The article was reprinted in 1873 (p. 29) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[196] Ayres, William Orville. 1873. [On a specimen representing a new generic type among fishes]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):30-31.

(Paper presented at the Academy meeting held on 26 February 1855. Signature containing this presentation [pp. 31-32] is not dated, but it was assuredly printed on or before before 12 March.

The article was reprinted in 1873 (pp. 30-31) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2530] Kellogg, Albert. 1873. [On a variety of *Lonicera californica* or California yellow honeysuckle]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):30.

(Paper presented at the Academy meeting held on 26 February 1855. The obverse side of p. 33, that is p. 34, bears the signature date of 12 March so that it is likely that the signature bearing this and several early presentations following 19 February (i.e., pages 31-34) were printed late in the evening of 12 March 1855.

The article was reprinted in 1873 (pp. 30) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[197] Ayres, William Orville. 1873. [Description of a new fish species, *Catostomus labiatus*, with additional remarks on *Catostomus*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):31-32.

(Paper presented at the Academy meeting held on 5 March 1855 and published in 1855 [pp. 32-33]. The obverse side of p. 33, that is p. 34, bears the signature date of 12 March so that it is likely that the signature bearing this and several early presentations following 19 February (i.e., pages 31-34) were printed late in the evening of 12 March.

The article was reprinted in 1873 (pp. 31-32) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[198] Ayres, William Orville. 1873. [Description of a new ichthyic type]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):32-34.

(Paper presented at the Academy meeting held on 12 March 1855 and published in PCANS, vol. 1, pp. 33-35. The obverse side of p. 33, that is p. 34, bears the signature date of 12 March so that it is likely that the signature bearing this and several early presentations following 19 February (i.e., pages 31-34) were printed late in the evening of 12 March. Page 35 is part of the four-page signature that bears printing the date 26 March.

The article was reprinted in 1873 (pp. 32-34) in what has

become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2531] Kellogg, Albert. 1873. [Comments on *Arabis blepharophylla*, or Cal. purple rock-cress]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):32.

(Presented at the Academy meeting held 12 March 1855 and printed in PCANS p. 33. The obverse side of p. 33, that is p. 34, bears the signature date of 12 March so that it is likely that the signature bearing this and several early presentations following 19 February (i.e., pages 31-34) were printed late in the evening of 12 March.

The article was reprinted in 1873 (p. 32) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[93] Antisell, Thomas. 1873. [Fossils from San Luis Obispo County]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1 (1[November]):34-35.

(Presented as a communication at the Academy meeting held 12 March 1855 and printed in PCANS pp. 35-36. Pages 35-38 constitute a four-page signature that bears the printing date 26 March.

The article was reprinted in 1873 (p. 34-35) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[1545] Gibbons, William Peters. 1873. [Description of a new trout]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1 (1[November]):35-36.

(Presented at the Academy meeting held 19 March 1855 and printed in PCANS pp. 35-36. Pages 35-38 constitute a four-page signature that bears the printing date 26 March.

The article was reprinted in 1873 (p. 35-36) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2532] Kellogg, Albert. 1873. [Remarks on a specimen and seeds of *Cyclobothra*, a plant of the tulip family]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1 (1[November]):35.

(Paper presented as a communication at the Academy meeting held on 19 March 1855 and published in PCANS p. 36. Pages 35-38 constitute a four-page signature that bears the printing date 26 March.

The article was reprinted in 1873 (p. 35) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[199] Ayres, William Orville. 1873. [Remarks on an abnormal development of a canine fetus]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):36.

(Paper presented at the Academy meeting held on 19 March 1855 and published in PCANS p. 37. Pages 35-38 constitute a four-page signature that bears the print date 26 March.

The article was reprinted in 1873 (p. 36) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1].)

[2533] Kellogg, Albert. 1873. [Remarks on the California Elecampane]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1 (1[November]):36-37.

(Paper presented as a communication at the Academy meeting held on 26 March 1855 and published in PCANS pp. 37-38. Pages 35-38 constitute a four-page signature that bears the printing date 26 March; the 4-page signature that includes p. 39 bears a printing date of April 9.

The article was reprinted in 1873 (pp. 36-37) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2534] Kellogg, Albert. 1873. [Notes on some plants]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):37-38.

(Paper presented as a communication at the Academy meeting held on 26 March 1855 and published in PCANS pp. 38-39. Pages 35-38 constitute a four-page signature that bears the printing date 26 March; the 4-page signature that includes p. 39 bears a printing date of April 9.

The article was reprinted in 1873 (p. 37-38) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[217] Ayres, William Orville, and John Boardman Trask. 1873. [Report of the committee to make an examination

in regard to a method for preserving submerged timber from the attacks of the ship worm]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):38.

(Presented as a communication at the Academy meeting held 2 April 1855 and published in PCANS p. 39. Pages 39-42 constitute a four-page signature that bears the printing date of April 9.

The article was reprinted in 1873 (p. 38) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[200] Ayres, William Orville. 1873. [A new flounder]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):39-40.

(Paper presented at the Academy meeting held on 2 April 1855 and published in PCANS pp. 40-41.

The article was reprinted in 1873 (p. 39-40) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[3695] Trask, John Boardman. 1873. [A new ammonite from Arbuckle's Diggins, Shasta County]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):39.

(Presented as a communication at the Academy meeting held 2 April 1855 and published in PCANS p. 40. Pages 39-42 constitute a four-page signature that bears the printing date of April 9.

The article was reprinted in 1873 (p. 39) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[3696] Trask, John Boardman. 1873. [Descriptions of fossil shells from the Tertiary deposits of the Lower Coast]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November]):40-42.

(In the 1855 publication, pages 41-42 are part of a 4-page signature dated April 9; p. 43 is included in a 4-page signature that carries only the month, April, but it is flanked by signatures dated April 9 and April 30.

The article was reprinted in 1873 (p. 40-42) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[201] Ayres, William Orville. 1873. [Descriptions of fishes]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[November/December]):42-44.

(Paper presented at the Academy meeting held 16 April 1855. Pages 43-45 are included in a 4-page signature that carries only the month, April, but it is flanked by signatures dated April 9 and April 30.

The article was reprinted in 1873 (p. 42-44) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2535] Kellogg, Albert. 1873. [Comments on a new species of *Bahia* and on *Anoplanthus uniflorus*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1([December]):44.

(Comments presented at the Academy meeting held on 16 April 1855 and published in PCANS p. 45.

The article was reprinted in 1873 (p. 44) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2536] Kellogg, Albert. 1873. [Specimens and drawings of *Leptarrhena inundata* Behr]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):44-45.

(Paper presented at the Academy meeting held on 23 April 1855 and published in PCANS pp. 45-46.

The article was reprinted in 1873 (p. 44-45) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2537] Kellogg, Albert. 1873. [Remarks on lillial plants]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):45-46.

(Paper published in 1855 in PCANS pp. 46-47. Pages 45-46 are included in a 4-page signature that carries only the month, April, but it is flanked by signatures dated April 9 and April 30. Inasmuch as the paper was read at the Academy meeting held on 30 April 1855, the comments most likely were printed late in the evening of 30 April.

The article was reprinted in 1873 (p. 45-46) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[202] Ayres, William Orville. 1873. [On a fish believed to be new]. *Proceedings of the California Academy of*

Natural Sciences, 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):46-47.

(In the original issue of the PCANS in 1855, pages 47-48 are included in a 6-page signature [47-52] dated April 30. Ayres paper was presented at the Academy meeting held on 30 April; thus the signature bearing his comments must ave been published later that evening.

The article was reprinted in 1873 (p. 46-47) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[347] Behr, Hans Hermann. 1873. [Remarks on a native silk worm of California]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):46.

(In the original publication, page 47 is included in a 6-page signature [47-52] dated April 30. Inasmuch as Behr's comments were presented at the Academy meeting held on 30 April, the signature must have been printed late that same evening.

The article was reprinted in 1873 (p. 46) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[1546] Gibbons, William Peters. 1873. [Description of a new species of crab]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):47-48.

(In the original issue of the PCANS in 1855, pages 48-49 are included in a 6-page signature [47-52] dated April 30. Gibbons' paper was presented at the Academy meeting held on 30 April; thus the signature bearing his comments must ave been published later that evening.

The article was reprinted in 1873 (p. 47-48) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[3988] Winslow, C. F. 1873. Causes of tides, earthquakes, rising of continents, and variations of magnetic force. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):48-51.

(Pages 49-52 are included in an 6-page signature [47-52] dated April 30.

In the original issue of the PCANS in 1855, pages 49-52 were included in a 6-page signature [47-52] dated April 30. Winslow's paper was presented at the Academy meeting held on 30 April; thus the signature bearing his comments must ave been published later that evening.

The article was reprinted in 1873 (p. 48-51) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2588] Kellogg, Albert, and Hans Hermann Behr. 1873. [Species of *Taxodium* improperly described by English authors as *Wellingtonia*, commonly known as the "Great tree" of California]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):51-52.

(Paper presented at the Academy meeting held 7 May. In the original publication of the PCANS in 1855, the two pages, 53-54, are undated but they must have been in May because they are followed by a signature dated May, 1855.

The article was reprinted in 1873 (pp. 51-52) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[203] Ayres, William Orville. 1873. [Remarks on the ground mole]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):53.

(Paper presented at the Academy meeting held 21 May. In the original 1855 publication (PCNAS p. 54), two pages, 53-54, are undated but they must have been printed in May because they are followed by a signature dated May, 1855.

The article was reprinted in 1873 (p. 53) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2538] Kellogg, Albert. 1873. [On four species of *Ceanothus*, or tea-tree]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):53-54.

(Paper presented at the Academy meeting held on 21 May; in the original publication (PCANS p. 55), the page is included in a signature dated May, 1855.

The article was reprinted in 1873 (p. 53-54) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[204] Ayres, William Orville. 1873. [On a new species of fish [of the genus *Apodichthys*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):54-55.

(Presented at the Academy meeting held on 21 May; in the original PCANS, pp. 55-56 are included in a signa-

ture printed sometime during the month of May.
The article was reprinted in 1873 (p. 54-55) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2539] Kellogg, Albert. 1873. [On *Asclepias acornutum* Kellogg]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1 (1[December]):54.
(Paper presented at the Academy meeting held 21 May. In the original 1855 publication (PCNAS p. 55), the page is included in a signature dated May, 1855.
The article was reprinted in 1873 (p. 54) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2540] Kellogg, Albert. 1873. [Two new species of violet]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):55-56.
(Presented at the Academy meeting held on 38 May 1855. In the original PCAS, this article appeared on pp. 56-57. For dating purposes, page 55 on the 1855 *Proceedings* is dated May 1855, pages 56-58 are undated, but p. 58 includes reports presented at the Academy meeting held on 4 June; pages 55-58 are followed by p. 59, which is dated July 1855. It is most likely that the signature including pages 56-57, i.e., pp. 55-58, was printed at the end of May or in early June.
The article was reprinted in 1873 (p. 55-56) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2541] Kellogg, Albert. 1873. [Remarks on a species of *Senecio*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):56.
(Remarks presented at the Academy meeting held on 28 May. In the 1855 PCANS, page 56 appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June; pages 55-58 are followed by p. 59, which is dated July 1855.
The article was reprinted in 1873 (p. 56) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2542] Kellogg, Albert. 1873. [Remarks on a beautiful *Pentstemon*, or beardtongue supposed to be new]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):56-57.
(Remarks presented at the Academy meeting held on 28 May. In the 1855 PCANS, page 57 appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June; pages 55-58 are followed by p. 59, which is dated July 1855.
The article was reprinted in 1873 (p. 56) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2543] Kellogg, Albert. 1873. [A new and interesting species of *Egletes*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):56.
(Remarks presented at the Academy meeting held on 28 May. In the 1855 PCANS, page 57 appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June; pages 55-58 are followed by p. 59, which is dated July 1855.
The article was reprinted in 1873 (p. 56) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2544] Kellogg, Albert. 1873. [On a herbaceous vine from the vicinity of Placerville]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):56-57.
(In the 1855 PCANS, Kellogg's remarks were presented at the Academy meeting held on 4 June. Page 57 of those *Proceedings* appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June (in error shown as June 4, 1854); pages 55-58 are followed by p. 59, which is dated July 1855.
The article was reprinted in 1873 (pp. 56-57) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2545] Kellogg, Albert. 1873. [On a new species of *Ceanothus* from Placerville]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):57.
(In the 1855 PCANS, Kellogg's remarks were presented at the Academy meeting held on 4 June. They appear on

p. 58 of the PCANS. Pages 57-58 of those *Proceedings* appear to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June (in error shown as June 4, 1854); pages 55-58 are followed by p. 59, which is dated July 1855.

The article was reprinted in 1873 (p. 57) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2546] Kellogg, Albert. 1873. [On a species of *Fritillaria*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):57.

(In the 1855 PCANS, Kellogg's remarks were presented at the Academy meeting held on 4 June. Page 57 of those *Proceedings* appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June (in error shown as June 4, 1854); pages 55-58 are followed by p. 59, which is dated July 1855.

The article was reprinted in 1873 (p. 57) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2547] Kellogg, Albert. 1873. [On a new *Vicia*, or Vetch, from Placerville]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):57.

(In the 1855 PCANS, Kellogg's remarks were presented at the Academy meeting held on 4 June. Page 57 of those *Proceedings* appears to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June (in error shown as June 4, 1854); pages 55-58 are followed by p. 59, which is dated July 1855.

The article was reprinted in 1873 (p. 57) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2548] Kellogg, Albert. 1873. [On *Torreya Californica* and *Leptarrhena inundata* Behr]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):57.

(In the 1855 PCANS, Kellogg's remarks were presented at the Academy meeting held on 4 June. Pages 57-58 of those *Proceedings* appear to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June (in error shown as June 4, 1854); pages 55-58 are followed by p. 59, which is dated July 1855.

The article was reprinted in 1873 (p. 57) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[205] Ayres, William Orville. 1873. [On a new fish of the genus *Cebidichthys*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):58-59.

(In the 1855 PCANS, Ayres' remarks were presented at the Academy meeting held on 4 June. Page 58 of those *Proceedings* appear to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June (in error shown as June 4, 1854); pages 55-58 are followed by p. 59, which is dated July 1855.

The article was reprinted in 1873 (p. 58) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2549] Kellogg, Albert. 1873. [A specimen of *Oenothera*, or Cupid's primrose]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1):58.

(In the 1855 PCANS, Kellogg's remarks were presented at the Academy meeting held on 4 June. Page 58 of those *Proceedings* appear to be part of a signature that includes pages 55-58, the first page of which is dated May 1855 but which includes presentations at the Academy meeting held on 4 June (in error shown as June 4, 1854); pages 55-58 are followed by p. 59, which is dated July 1855.

The article was reprinted in 1873 (p. 58) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2550] Kellogg, Albert. 1873. [Description of a small and beautiful *Mimulus*. Also specimens and drawing of *Amelanchier Canadensis* var. *alnifolia*. Also a drawing and specimens of *Maderia elegans* ?]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):59-60.

(In the 1855 PCANS, Kellogg's remarks were presented at the Academy meeting held on 11 June. Page 59 of those *Proceedings* is dated July 1855.

The article was reprinted in 1873 (p. 59-60) in what has

become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[206] Ayres, William Orville. 1873. [Remarks on the skull of a sea lion from the Farallon Islands]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):61-62.

(Remarks presented at the Academy meeting held on 25 June; pages 60-61 of the PCANS for 1855 were printed sometime in July 1855.

The article was reprinted in 1873 (p. 61-62) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2551] Kellogg, Albert. 1873. [On an *Azalea* from the interior. Also a purple-flowered *Oenothera* from Alameda]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):61.

(Remarks presented at the Academy meeting held on 18 June; pages 60-61 of the PCANS for 1855 were printed sometime in July 1855.

The article was reprinted in 1873 (p. 61) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[348] Behr, Hans Hermann. 1873. [On a new genus and species of plant]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):62.

(Remarks presented at the Academy meeting held on 25 June;pages 60-61 of the PCANS for 1855 were printed sometime in July 1855.

The article was reprinted in 1873 (p. 62) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[1038] Davis, Horace. 1873. [On a series of geological specimens from mining shafts]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):62.

(Remarks presented at the Academy meeting held on 25 June 1855; pages 60-61 of the PCANS for 1855 were printed sometime in July 1855.

The article was reprinted in 1873 (p. 62) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2552] Kellogg, Albert. 1873. [Specimens of *Polygala* from Placerville]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1 (1[December]):63.

(Remarks presented at the Academy meeting held on 2 July; pages 61-62 of the PCANS for 1855 were printed sometime in July 1855.

The article was reprinted in 1873 (p. 63) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2553] Kellogg, Albert. 1873. [On a new and singular *Pentstemon*. Also, on a *Lonicera* from the interior.]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):63.

(Remarks presented at the Academy meeting held on 2 July; page 62 of the PCANS for 1855 were printed sometime in July 1855.

The article was reprinted in 1873 (p. 63) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[207] Ayres, William Orville. 1873. [A new scomberoid fish]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):64.

(Remarks presented at the Academy meeting held on 2 July; pages 62-63 of the PCANS for 1855 were printed sometime in July 1855.

The article was reprinted in 1873 (p. 64) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[208] Ayres, William Orville. 1873. [Description of a new species of whiting]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):65-66.

(Remarks presented at the Academy meeting held on 16 July; page 64 of the PCANS for 1855 were printed sometime in August 1855.

The article was reprinted in 1873 (p. 65-66) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2554] Kellogg, Albert. 1873. [Remarks on a species of

wild black mountain currant]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):65.

(Remarks presented at the Academy meeting held on 16 July; pages 63-64 of the PCANS for 1855 were printed sometime in August 1855.

The article was reprinted in 1873 (p. 65) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2555] Kellogg, Albert. 1873. [On a remarkable species of *Malvastrum*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):67.

(Remarks presented at the Academy meeting held on 23 July; page 65 of the PCANS for 1855 were printed sometime in August 1855.

The article was reprinted in 1873 (p. 67) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2556] Kellogg, Albert. 1873. [Remarks on a specimen of *Hypericum*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):67-68.

(Remarks presented at the Academy meeting held on 23 July; page 65 of the PCANS for 1855 were printed sometime in August 1855.

The article was reprinted in 1873 (p. 67-68) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2557] Kellogg, Albert. 1873. [On a specimen of *Asclepias* from Marysville]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):68.

(Remarks presented at the Academy meeting held on 23 July; page 65-66 of the PCANS for 1855 were printed sometime in August 1855.

The article was reprinted in 1873 (p. 68) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[209] Ayres, William Orville. 1873. [Description of a fish representing a type, entirely new to our waters]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):69.

(Remarks presented at the Academy meeting held on 6 August 1855 and pages 66-67 of the PCANS for 1855 were printed sometime in August and/or September.

The article was reprinted in 1873 (p. 69) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2558] Kellogg, Albert. 1873. [On a new species of *Rubus* or raspberry]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):70.

(Remarks presented at the Academy meeting held on 13 August; the signature containing p. 67 of PCANS for 1855 was printed sometime in September.

The article was reprinted in 1873 (p. 70) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2559] Kellogg, Albert. 1873. [On a species of oak brought by Col. L. Ransom from Mariposa]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):70.

(Remarks presented at the Academy meeting held on 13 August; the signature containing p. 67 of PCANS for 1855 was printed sometime in September.

The article was reprinted in 1873 (p. 70) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[210] Ayres, William Orville. 1873. [Remarks on the Echinodermata of the coast of California]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):71-72.

(Remarks presented at the Academy meeting held on 13 August; the signature containing p. 68 of PCANS for 1855 was printed sometime in September.

The article was reprinted in 1873 (p. 71-72) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[349] Behr, Hans Hermann. 1873. [A new plant brought by Mr. Froebel from the lower coast]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):72.

(Remarks presented at the Academy meeting held on 27 August; the signature containing p. 69 of PCANS for 1855 was printed sometime in September.

The article was reprinted in 1873 (p. 72) in what has

become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2657] Lanszweert, L. 1873. [Report on the mineral waters sent from Red Bluffs, Shasta County]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):72-74.

(Presented at the Academy meeting held 27 August 1855 and printed sometime in September (PCANS 1855, pp. 69-70).

The article was reprinted in 1873 (p. 72-74) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2658] Lanszweert, L. 1873. [Comments on a means of preventing smut in wheat]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1):72-74.

(Remarks presented at the Academy meeting held on 27 August; the article appears on p. 74 of the 1855 PCANS. The article was reprinted in 1873 (p. 72-74) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[211] Ayres, William Orville. 1873. [On a new species of cramp fish, *Torpedo*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):74-75.

(Remarks presented at the Academy meeting held on 10 September; pages 70-71 of PCANS for 1855 were printed sometime in September.

The article was reprinted in 1873 (p. 74-75) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[212] Ayres, William Orville. 1873. [Comments on some fish referred to the genera *Hemilepidotus* or *Scorpaenichthys*, with description of a new genus and species]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):75-77.

(Remarks presented at the Academy meeting held on 24 December 1855; pages 75-77 were published in the 1855 PCANS by year's end on 31 December.

The article was reprinted in 1873 (pp. 81-82) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[2560] Kellogg, Albert. 1873. [Remarks on a species of *Castanea*, or California Evergreen Chestnut]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):75.

(Remarks presented at the meeting of the Academy held on 17 September 1855.)

[2561] Kellogg, Albert. 1873. [Remarks on a species of oak, *Quercus fulvescens* Kellogg]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):75.

(Remarks presented at the meeting of the Academy held on 17 September 1855.)

[213] Ayres, William Orville. 1873. [Remarks on and description of a shark of a new generic type]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):76-77.

(Paper presented at the Academy meeting held 8 October 1855; pages 72-73 of PCANS for 1855 were printed sometime in November.

The article was reprinted in 1873 (p. 76-77) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[214] Ayres, William Orville. 1873. [Remarks on a collection of fishes made by Lieut. W.P. Trowbridge at or near Cape Flattery, W.T.]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(1[December]):78-79.

(Remarks presented at the Academy meeting held on 29 October and appeared on p. 75 of 1855 PCANS.

The article was reprinted in 1873 (p. 78-79) in what has become known as the "Second edition," in which the original text was reset so that there is some discrepancy in pagination with the original publication (see comments by R.E.C Stearns, 1873, Prefatory Note to This Editon. PCAS, 2nd ed., 1:[unnumbered p. 1]).)

[3697] Trask, John Boardman. 1873. On the earthquakes in California, from 1812 to 1855. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2[December]):85-89.

(Presented at the Academy meeting held 14 January 1856. It was first published in the PCANS, 1856, pp. 80-82 [*q.v.*]. This article was also published in the *American Journal of Science*, ser. 2, 22[July 1856] :110-116, pls. 2-3. It was reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 85-89.)

[3698] Trask, John Boardman. 1873. Description of three new species of the genus *Plagiostoma*, from the Cretaceous rocks of Los Angeles. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2[December]):86, pl. 3, figs. 1-3.

(Paper presented at the Academy meeting held 17 March

1856 and published in 1856 PCANS, p. 86 [*q.v.*]. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol. 1, pp. 93-94.)

[215] Ayres, William Orville. 1873. [Description of a new species of mackerel]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2[December]):92.
(Paper presented at the Academy meeting held 20 October 1856 and published in 1856 PCANS on p. 92 [*q.v.*]. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol. 1, pt. 2, pp. 101-102.)

[3699] Trask, John Boardman. 1873. Description of a new species of ammonite and baculite, from the Tertiary rocks of Chico Creek. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2[December]):92-93, pl. 2, figs. 2 and 2A.
(Presented at the Academy meeting held 17 March 1856 and published in 1856 PCANS, pp. 85-86 [*q.v.*]. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol. 1, pp. 92-93.)

[2562] Kellogg, Albert. 1873. [Remarks on an *Ephedra* or joint fir]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2[December]):95.
(Presented at the Academy meeting held 21 April 1856 and published in 1856 PCANS on p. 87 [*q.v.*]. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol. 1, pt. 2, on p. 95.)

[3573] Stimpson, William. 1873. On some California Crustacea. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2[December]):95-99.
(Remarks presented at the Academy meeting held 28 April 1856 and published in 1856 PCANS, pp. 87-90 [*q.v.*]. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol. 1, pt. 2, pp. 95-99.)

[3700] Trask, John Boardman. 1873. [On earthquakes in California during 1856]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2[December]):102-104.
(Presented at the Academy meeting held 12 January 1857 and published in 1857 PCANS, pp. 93-94 [*q.v.*]. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol. 1, pt. 1, pp. 102-104.)

[2563] Kellogg, Albert. 1873. [On a new species of oak]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2[December]):106.
(Paper presented at the Academy meeting held on January 25, 1857 and published in 1857 PCANS, p. 96 [*q.v.*]. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol. 1, pt. 2, p. 106.)

[466] Blake, William Phipps. 1873. Note on the occurrence of telluret of silver in California. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2[December]):107-108.
(Paper presented at the Academy meeting held 23 February 1857 and published in 1857 in PCANS, pp.96-97 [*q.v.*]. It was reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 107-108.)

[3701] Trask, John Boardman. 1873. On the direction and velocity of the earthquake in California, January 9, 1857. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2[December]):109-110.
(Presented at the Academy meeting held 30 March 1857. It was first published in the PCANS in 1857, p. 98 [*q.v.*], and then was reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol. 1, pp. 109-110.)

[3702] Trask, John Boardman. 1873. On some new microorganisms. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2[December]):110-112, pl. 6*.
(Presented at the Academy meeting held sometime between 30 March and 5 October 1857 [incomplete data] and published in 1857 PCANS, pp. 99-100 [*q.v.*]. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol. 1, pt. 2, pp. 110-112.
Plate 6 was withdrawn by Trask before publication even though it is still cited in the text [see p. 110, *Leptosiagon gracilis ng. ns.* — Trask — Plate 6, *et seq.*]. The plate titled "Fumorales of the Colorado Desert" to accompany the presentation by J.A. Veatch, "Notes of a visit to the "Mud Volcanoes" in the Colorado Desert . . ." [*q.v.*, pp. 104-108], was then renumbered plate 6.)

[3703] Trask, John Boardman. 1873. [Nine new species of zoophytes from the Bay of San Francisco]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2[December]):112-114, pls. 4-5.
(Presented at the Academy meeting held sometime between 30 March and 5 October 1857 [incomplete data] and published in 1857 PCANS, pp. 100-102 [*q.v.*]. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol. 1, pt. 2, pp. 112-114.)

[1507] Garrett, Andrew. 1873. [New species of marine shells from the Sandwich Islands]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2):114-115.
(Presented at the Academy meeting held sometime between 30 March and 5 October 1857 [incomplete data] and published in late 1857 [pp. 102-103, *q.v.*]. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pp. 114-115.)

[2564] Kellogg, Albert. 1873. [On a new species of cypress]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2[December]):115-116.
(Presented at the Academy meeting held 5 October 1857 and published in 1857 PCANS, pp. 103-104 [*q.v.*]. Reprinted in 1873 in reset type in the 2nd [or reprint] ed.

of PCANS, ser. 1, vol. 1, pt. 2, 115-116.)

[322] Beardsley, A. F. 1873. [Remarks on *Cupressus fragrans*]. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2):116.
(Remarks included in paper presented by Albert Kellogg at the Academy meeting held 5 October 1857 and published in 1857 PCANS, p. 104 [*q.v.*]. Reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol.1, pt. 2, p. 116.)

[3829] Veatch, John A. 1873. Notes of a visit to the "mud volcanoes" in the Colorado Desert, in the month of July A.D., 1857. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2[December]):116-121, pl. 7 (in error labeled pl. 6).
(Presented at the Academy meeting held 7 December 1857 and published in 1857 in PCAS, ser. 1, vol. 1, pp. 104-108 [*q.v.*], then reprinted in 1873 in reset type in the 2nd [or reprint] ed. of PCANS, ser. 1, vol. 1, pp. 116-121.)

[3704] Trask, John Boardman. 1873. Earthquakes in California during the year 1857. *Proceedings of the California Academy of Natural Sciences,* 2nd ed. [reprint of 1st ed.], ser. 1, 1(2[December]):121-122.
(Reprint of paper presented at the 11 January 1858 meeting of the Academy and published in 1858 in the PCAS, ser. 1, vol. 1.)

[1288] Edwards, Henry. 1875. Pacific Coast Lepidoptera,—No. 12. On some new species of Noctuidae. *Proceedings of the California Academy of Sciences* 6:132-139.

[829] Cooper, James Graham. 1868. Some recent additions to the fauna of California. *Proceedings of the California Academy of Sciences*, ser. 1, 4([November]):3-13.
(Paper presented at the Academy meeting held 20 January 1868 and published in a 16-page signature (#1) dated November 1868.)

[447] Blake, Theodore A. 1868. Notes on Alaska. *Proceedings of the California Academy of Sciences*, ser. 1, 4([November]):13-15.
(Paper presented at the Academy meeting held 20 January 1868 and published in a 16-page signature dated November 1868.)

[481] Bolander, Henry N. 1868. [On the value of botanical gardens]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([November]):17.
(Paper presented at the Academy meeting held 2 March 1868 and published in a 16-page signature (#2) dated November 1868.)

[934] Dall, William Healey. 1868. [An account of Dall's recent explorations in Alaska]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([November]): 30-32, 33-37, map [p. 31].
(Paper presented at the Academy meeting held 5 October 1868; pages 30-32 are included in a 16-page signature (#2) dated November 1868; pages 33-37 are in a 16-page signature (#3) dated January 1869.)

[764] Clayton, Joshua E. 1869. Earthquakes on Kern River, in the central portion of the Sierra Nevada. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):38-40.
(Paper presented at the Academy meeting held 7 December 1868 and published in a 16-page (#3) signature dated January 1869.)

[691] Carlton, H. P. 1870. Shells of Antioch, Cal., and vicinity. *Proceedings of the California Academy of Sciences*, ser. 1, 4([February]):50-52.
(Paper presented at the Academy meeting held 3 May 1869 and published in a 16-page signature (#4) dated February 1870.)

[692] Carlton, H. P. 1870. Shells of Truckee River and vicinity. *Proceedings of the California Academy of Sciences*, ser. 1, 4([February]):57.
(Paper presented at the Academy meeting held 3 May 1869 and published in a 16-page signature (#5) dated February 1870.)

[830] Cooper, James Graham. 1870. The fauna of California and its geographical distribution. *Proceedings of the California Academy of Sciences*, ser. 1, 4([February]):61-81.
(Paper presented at the Academy meeting held 6 September 1869 and published in two 16-page signatures (#s 5-6) both dated February 1870.)

[3183] Ransom, Leander. 1870. Shell mounds. *Proceedings of the California Academy of Sciences*, ser. 1, 4([February]):86-87.
(Paper presented at the Academy meeting held 6 September 1869 and published in a 16-page signature (#6) dated February 1870.)

[4016] Yale, Gregory. 1870. [Some notes on "meteoric showers"]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([February]):87-88.
(Comments presented at the Academy meeting held 15 November 1869 and published in the fourth signature (#6) dated February 1870.)

[765] Clayton, Joshua E. 1870. [Sketch of the geological structure and mode of occurrence of the silver ores in the White Pine District, Nevada]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([February]): 88-89.
(Comments presented at the Academy meeting held 15 November 1869; page 88 was printed in the fourth signature (#6) dated February 1870 and page 89 in the fifth signature (#7) dated February 1870.)

[3240] Richthofen, [Baron] Ferdinand Freiherr von. 1870. [Extract of letter to Josiah Dwight Whitney on recent geological explorations in China]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([February]): 88.
(Paper presented at the Academy meeting held 7 December 1869 and published in a third signature (#6) dated February 1870.)

[3921] Whitney, Josiah Dwight. 1870. Notice of explo-

rations in the Rocky Mountains. *Proceedings of the California Academy of Sciences*, ser. 1, 4([February]): 90-91.
(Comments presented at the Academy meeting held 20 December 1869 and published in the fifth signature (#7) dated February 1870.)

[831] Cooper, James Graham. 1870. The West Coast freshwater univalves, No. 1. *Proceedings of the California Academy of Sciences*, ser. 1, 4([February]):92-100.
(Comments presented at the Academy meeting held 20 December 1869 and published in the fifth signature (#7) dated February 1870.)

[482] Bolander, Henry N. 1870. The genus *Melica* in California. *Proceedings of the California Academy of Sciences*, ser. 1, 4([February]):101-104.
(Comments presented at the Academy meeting held 20 December 1869 and published in the fifth signature (#7) dated February 1870.)

[415] Blake, James. 1871. Remarks on the climate of California. *Proceedings of the California Academy of Sciences*, ser. 1, 4([April]):110-116.
(Comments presented at the Academy meeting held 7 March 1870 and published in a signatures (#8-11) dated April 1871.)

[416] Blake, James. 1871. Climate of the North Pacific Ocean. *Proceedings of the California Academy of Sciences*, ser. 1, 4([April]):128-130.
(Paper presented at the Academy meeting held 18 July 1870 and published in signatures (#8-11) dated April 1871.)

[3922] Whitney, Josiah Dwight. 1871. [Remarks on the Geological Survey (of California) ascent of three of the mountains known as "Castle Peak"]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([April]): 134-135.
(Paper presented at the Academy meeting held 15 August 1870 and published in signatures (#8-11) dated April 1871.)

[3241] Richthofen, [Baron] Ferdinand Freiherr von. 1871. [Extract of letter to Josiah Dwight Whitney on progress of the geological reconnoisance of China . . . made under the auspices of the Shanghai Chamber of Commerce]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([April]):135.
(Paper presented at the Academy meeting held 15 August 1870 and published in signatures (#8-11) dated April 1871.)

[2519] Kellogg, Albert. 1871. A new Californian *Dicentra*. *Proceedings of the California Academy of Sciences*, ser. 1, 4([April]):141-142, fig. [on p. 142].
(Paper presented at the Academy meeting held 7 November 1870 and published in signatures (#8-11) dated April 1871.)

[832] Cooper, James Graham. 1871. On shells of the West Slope of North America. *Proceedings of the California Academy of Sciences*, ser. 1, 4([April]):150-154.
(Paper presented at the Academy meeting held 19 December 1870 and published in signatures (#8-11) dated April 1871.)

[990] Davidson, George. 1872. Remarks upon the observations recently concluded by the Coast Survey to determine the geographical position and elevation of Mount Rainier]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):157-158.
(Paper presented at the Academy meeting held 16 January 1871 and published in a signature (#12) dated January 1872.)

[2520] Kellogg, Albert. 1872. On *Lilium Bloomerianum*. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):160.
(Paper presented at the Academy meeting held 10 February 1871 and published in a signature (#12) dated January 1872.)

[991] Davidson, George. 1872. [Remarks on article in *Atlantic Monthly* in which Clarence King claims the first discovery of glaciers in the United States]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):161-162.
(Paper presented at the Academy meeting held 6 March 1871 and published in a signature (#12) dated January 1872.)

[483] Bolander, Henry N. 1872. [Remarks on the number of grasses known on the California Coast since 1861]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):162.
(Paper presented at the Academy meeting held 6 March 1871 and published in a signature (#12) dated January 1872.)

[992] Davidson, George. 1872. [Report on an apparatus for recording sub-surface temperatures]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]): 163-164.
(Paper presented at the Academy meeting held 20 March 1871 and published in a signature (#12) dated January 1872.)

[417] Blake, James. 1872. [Remarks on variations of the barometer as influenced by the moon]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]): 166.
(Paper presented at the Academy meeting held 1 May 1871 and published in a signature (#12) dated January 1872.)

[484] Bolander, Henry N. 1872. The genus *Stipa* in California. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):168-170.
(Paper presented at the Academy meeting held 5 June 1871 and published in a signature (#12) dated January 1872.)

[833] Cooper, James Graham. 1872. On shellos of the West Slope of North America. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):171-175.
(Paper presented at the Academy meeting held 5 June

1871 and published in a signature (#13) dated January 1872.)

[993] Davidson, George. 1872. [Remarks on an instrument improved by himself to determine the difference in longitude between two different points]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]): 177.
(Paper presented at the Academy meeting held 19 June 1871 and published in a signature (#13) dated January 1872.)

[935] Dall, William Healey. 1872. Notes on California Mollusca. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):182-183.
(Paper presented at the Academy meeting held 21 August 1871 and published in a signature (#13) dated January 1872.)

[418] Blake, James. 1872. [On some diatoms collected at a hot spring in Pueblo Valley, Humboldt County, Nevada]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):183.
(Paper presented at the Academy meeting held 21 August 1871 and published in a signature (#13) dated January 1872.)

[419] Blake, James. 1872. [On prismatic dolerite, an interesting form of volcanic rock found near Black Rock, Nevada]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):183-184.
(Paper presented at the Academy meeting held 21 August 1871 and published in a signature (#13) dated January 1872.)

[1541] Gibbons, Henry. 1872. [On waves of temperature which seem to range from S.E. to N.W. along the coast of California]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):184-185.
(Paper presented at the Academy meeting held 21 August 1871 and published in a signature (#13) dated January 1872.)

[1832] Henry, Joseph. 1872. [Report on result of the observations which had been made and collected by the Smithsonian Institution on the rainfall of the country]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):185.
(Paper presented at the Academy meeting held 4 September 1871 and published in a signature (#13) dated January 1872.)

[3528] Stearns, Robert Edwards Carter. 1872. On the habitat and distribution of the West American species of Cypraeidae, Triviidae and Amphiperasidae. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):186-189.
(Paper presented at the Academy meeting held 4 September 1871; page 186 printed in a signature (#13) dated January 1872 and pages 187-189 in a second signature (#14) also dated January 1872.)

[420] Blake, James. 1872. [Remarks on animal life found in hot springs, at Calistoga, of 168 degrees of temperature]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):190-191.
(Paper presented at the Academy meeting held 18 September 1871 and published in a signature (#14) dated January 1872.)

[2521] Kellogg, Albert. 1872. *Madia radiata* — Kellogg. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):190-191.
(Paper presented at the Academy meeting held 18 September 1871 and published in a signature (#14) dated January 1872.)

[421] Blake, James. 1872. [Remarks a visit to the Geysers and finding algae growing in the waters at different temperatures]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):193-194.
(Paper presented at the Academy meeting held 7 October 1871 and published in a signature (#14) dated January 1872.)

[422] Blake, James. 1872. [Remarks on the extent of the deposits that had been formed by the hot springs at Puebla, in Humboldt County, Nevada]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]): 197-198.
(Paper presented at the Academy meeting held 20 November 1871 and published in a signature (#14) dated January 1872.)

[2522] Kellogg, Albert. 1872. *Leptosyne gigantea* Kellogg. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):198-199.
(Paper presented at the Academy meeting held 20 November 1871. Pages printed in signature (#14) dated January 1872.)

[3923] Whitney, Josiah Dwight. 1872. [On some fossils sent by Mr. J. E. Clayton from Eureka, Nevada]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):200.
(Paper presented at the Academy meeting held 5 December 1871 and published in the signature (#14) dated January 1872.)

[1508] Garritt, Andrew. 1872. Descriptions of new species of shells from the South Sea Islands. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]): 201-204.
(Paper presented at the Academy meeting held 5 December 1871; pages 201-202 were printed in the first of two signatures (#14) dated January 1872; pages 203-204 were printed in the second signature (#15).)

[3363] Scammon, Charles Mellville. 1872. On a new species of *Balaenoptera*. *Proceedings of the California Academy of Sciences*, ser. 1, 4([4 October]):269-270.
(Oral presentation of Scammon's paper was given at the Academy meeting held 7 October 1872, but the pages 269-270 containing Scammon's article were printed on "Oct. 4th, 1872" for immediate distribution in advance of the presentation at the meeting and in advance of the printing of the complete fifth signature (#20), which

includes pages 269-284, and is dated January 1873.)

[936] Dall, William Healey. 1872. Descriptions of new species of mollusks from the northwest coast of America. *Proceedings of the California Academy of Sciences*, ser. 1, 4([8 October]):270-271.
(Paper presented at the Academy meeting held 7 October 1872; Dall's article was printed on "Oct. 8, 1872" for immediate distribution and in advance of the printing of the complete fifth signature (#20), which includes pages 269-284, and is dated January 1873.)

[937] Dall, William Healey. 1872. Descriptions of three new species of Crustacea, parasitic on the Cetacea of the N.W. coast of America. *Proceedings of the California Academy of Sciences*, ser. 1, 4([9 November]):281-283.
(Paper presented at the Academy meeting held 4 November 1872; Dall's article was printed on "November 9, 1872" for immediate distribution and in advance of the printing of the complete fifth signature (#20), which includes pages 269-284, and is dated January 1873.)

[938] Dall, William Healey. 1872. On the parasites of the cetaceans of the N.W. Coast of America, with descriptions of new forms. *Proceedings of the California Academy of Sciences*, ser. 1, 4([18 December]):299-301.
(Paper presented at the Academy meeting held 16 December 1872. Pages 299-301 were published on December 18, 1872 for immediate distribution in advance of their inclusion in the sixth and seventh signatures (#21-22) of the *Proceedings*, which are dated January 1873.)

[939] Dall, William Healey. 1872. Descriptions of new species of Mollusca from the Northwest Coast of America. *Proceedings of the California Academy of Sciences*, ser. 1, 4([17 December]):302-303.
(Paper presented at the Academy meeting held 16 December 1872. Pages 302-303 were published on December 17, 1872 for immediate distribution in advance of their inclusion in the seventh signature (#22) of the *Proceedings*, which is dated January 1873.)

[1538] Gibbes, Charles Drayton. 1873. [Communication upon meteorological observations made in the Sierra Nevada in the winter of 1862-3]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):207-208.
(Communication presented at the Academy meeting held 15 January 1872. Pages printed in signature (#16) dated January 1873.)

[2565] Kellogg, Albert. 1873. [Remarks on a mat, or sack of *Macropiper methysticum*, from Mr. James Owens]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):210.
(Communication presented at the Academy meeting held 15 January 1872 and published in a signature (#16) dated January 1873.)

[1099] Durand, F. Emile. 1873. Note on crystals of quartz of a red color, by the interposition of cinnabar. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):211, 2 figs.
(Communication presented at the Academy meeting held 19 February 1872 and published in a signature (#16) dated January 1873.)

[3529] Stearns, Robert Edwards Carter. 1873. [Further comments on the mounds and shell heaps at Point Penallis, Tampa Bay, Florida, near the supposed landing-place of the expedition of De Soto]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):214-215.
(Communication presented at the Academy meeting held 4 March 1872 and published in a signature (#16) dated January 1873.)

[423] Blake, James. 1873. [Remarks on a branch of the great Japanese warm stream]. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):216-217.
(Communication presented at the Academy meeting held 18 March 1872 and published in a signature (#16) dated January 1873.)

[1100] Durand, F. Emile. 1873. Description of a new mineral from the New Almaden Mine. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):218.
(Communication presented at the Academy meeting held 1 April 1872 and published in a signature (#16) dated January 1873.)

[1101] Durand, F. Emile. 1873. Notes on the crystallization of metacinnabarite. *Proceedings of the California Academy of Sciences*, ser. 1, 4([January]):219-220, figs. 1-2.
(Communication presented at the Academy meeting held 15 April 1872 and published in a signature (#16) dated January 1873.)

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(Signature date a bottom of page, March 20, 1894 is in error; date should be March 20, 1895 as it is on p. 575.)

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(Jordan & Starks describe *Scomberomorus sierra* on p. 428 but earlier, in the list of "species .described as new . . .", the name "*Scomberomorus sinaloae* Jordan & Starks 1720" is shown. The latter is a *nomen nudum* inasmuch as it appears before a description is provided even though the number that follows the name is then designated as the type of *S. sierra* on p. 428.)

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[2892] Meek, Seth Eugene, and Charles J. Pierson. 1895. Description of a new species of *Gobiesox* from Monterey Bay,California. *Proceedings of the California Academy of Sciences*, ser. 2, 5([25 September]): 571-572, pl. 71.

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[3750] Van Denburgh, John. 1895. Notes on the habits and distribution of *Autodax iëcanus*. *Proceedings of the California Academy of Sciences*, ser. 2, 5([30 October]): 776-778.

[2298] Jenkins, Oliver P. 1895. Description of a new species of *Ranzania* from the Hawaiian Islands. *Proceedings of the California Academy of Sciences*, ser. 2, 5([31 October]):779-784, 3 figs., pl. [volume frontispiece].

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(Sheets for this article are dated between 14 and 19 December; it is assumed that the paper was not released until all parts had been printed. Thus, the earliest date for its publication would be 19 December, the latest 11 January 1896 when all remaining parts of vol. 5 were issued.)

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[3752] Van Denburgh, John. 1896. Additional notes on the herpetology of Lower California. *Proceedings of the California Academy of Sciences*, ser. 2, 5([15 January]): 1004-1008.

[734] Chapman, William S., and Gustav Eisen. 1896. [Report of the Committee on Public Reservations]. *Proceedings of the California Academy of Sciences*, ser. 2, 5([15 January]):1011-1012.
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[3345] Rutter, Cloudsley. 1896. Notes on fresh water fishes of the Pacific slope of North America. *Proceedings of the California Academy of Sciences*, ser. 2, 6([22 June]): 245-267, 3 tables.

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[1122] Eastwood, Alice. 1896. Report on a collection of plants from San Juan County, in southeastern Utah. *Proceedings of the California Academy of Sciences*, ser. 2, 6([1 August]):270-329, pls. 44-46.

[863] Cooper, James Graham. 1896. On some new Cretaceous (and Eocene?) Mollusca of California. *Proceedings of the California Academy of Sciences*, ser. 2, 6 ([18 August]):330-337, pls. 47-48.

[3753] Van Denburgh, John. 1896. A list of some reptiles from southeastern Arizona, with a description of a new species of *Cnemidophorus*. *Proceedings of the California Academy of Sciences*, ser. 2, 6([18 August/25 August]):338-349, pls. 49-50.

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(This paper, presented at a meeting of the California Academy of Sciences, was in effect privately printed because publication of the regular Academy *Proceedings* had been suspended in 1877 due to the lack of funds for publication. The last volume of series 1 of the *Proceedings*, vol. 7, part 1, contains only papers presented at meetings during 1876. Following suspension of publication of the *Proceedings* in 1877, that is after publication of vol. 7, part 1, a series of privately printed papers ensued. They are often cited as if they had been published in the *Proceedings of the California Academy of Sciences* but, in fact, they are "From the Proceedings," meaning that they are from the proceedings of the meeting(s) of the Academy, i.e., they had been presented at a meeting. In 1884, a *Bulletin* was begun by the Academy, but it was short-lived and publication ceased in 1887 when publication of series 2 of the *Proceedings* was begun in December 1887.)

[3552] Stearns, Robert Edwards Carter. 1878. *Remarks of Robert E. C. Stearns, before the California Academy of Sciences, on the resignation and farewell of vice-president Henry Edwards. Monday, August 19th, 1878. "From the Proceedings of the California Academy of Sciences"*. California Academy of Sciences (privately printed), San Francisco. 3 pp.

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[2585] Kellogg, Albert. 1879. *Remarks of Dr. A. Kellogg on the late Doctor John B. Trask: before the California Academy of Sciences, July 21, 1879. "From the Proceedings of the California Academy of Sciences"*. California Academy of Sciences (privately printed), San Francisco. 8 pp.

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[603] Brooks, Charles Wolcott. 1880. *The American Arctic Exploring Expedition: an inquiry and review of the probable situation of the* Jeannette *and missing whalers,* Vigilant *and* Mount Wollaston. *"From the Proceedings of the California Academy of Sciences"*. California Academy of Sciences (privately printed), San Francisco, California. 12 pp., maps.

(Reprinted from the 1880 report in *Daily Alta California* newspaper.

This paper, presented at a meeting of the California Academy of Sciences, was in effect privately printed because publication of the regular Academy *Proceedings* had been suspended in late 1877 due to the lack of funds for publication. A series of privately printed papers ensued and are often cited as if they had been published in the *Proceedings of the California Academy of Sciences*. A *Bulletin* was begun by the Academy in 1884, but publication of the *Bulletin* ceased in 1887 when formal publication of the *Proceedings* was begun again in December 1887 as the "second series."

"Proceedings of the California Academy of Sciences" presents an account of reception given to the Captain and officers of the U.S. Steamer *Thomas Corwin* and captains of the Pacific Whaling Fleet on their return from the Arctic; their views, and unanimous expression of relief in the *Jeannette's* safety; speculations concerning the whereabouts of the missing whalers, *Vigilant* and *Mount Wollaston*, including a paper read before the Academy December 6, 1880, by Charles Wolcott Brooks, member of the California Academy of Sciences. See also California Academy of Sciences, 1880.)

[671] California Academy of Sciences. 1880. *Proceedings of the California Academy of Sciences at a reception given to the captain and officers of the U.S. Steamer*

Thomas Corwin *and captains of the Pacific whaling fleet on their return from the Arctic. "From the Proceedings of the California Academy of Sciences".* California Academy of Sciences (privately printed), San Francisco, California. 12 pp., 2 maps.

(Reprinted from the 1880 report in *Daily Alta California* newspaper.

This paper, presented at a meeting of the California Academy of Sciences, was in effect privately printed because publication of the regular Academy *Proceedings* had been suspended in late 1877 due to the lack of funds for publication. A series of privately printed papers ensued and are often cited as if they had been published in the *Proceedings of the California Academy of Sciences.* A *Bulletin* was begun by the Academy in 1884, but publication of the *Bulletin* ceased in 1887 when formal publication of the *Proceedings* was begun again in December 1887 as the "second series."

N.B. From the MELVYL Catalog: "Proceedings of the California Academy of Sciences including a paper read before the Academy December 6, 1880, on the *Jeannette* Arctic Expedition and the missing whalers, by Charles Wolcott Brooks.

"Proceedings of the California Academy of Sciences at a reception given to the Captains of the Pacific Whaling Fleet on their return from the Arctic; their views, and unanimous expression of relief in the *Jeannette*'s safety; speculations conceerning the whereabouts of the missing whalers, *Vigilant* and *Mount Wollaston*, including a paper read before the Academy December 6, 1880, by Charles Wolcott Brooks [*q.v.*, #670], member of the California Academy of Sciences.")

[1790] Harkness, Harvey Willson, and Justin P. Moore. 1880. *Catalogue of the Pacific Coast fungi. "From the Proceedings of the California Academy of Sciences".* California Academy of Sciences (privately printed), San Francisco, California. 46 pp.

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[3099] Peirce, George. 1880. *Early Hawaiian migrations. "From the Proceedings of the California Academy of Sciences".* California Academy of Sciences (privately printed), San Francisco, California. [?] pp.

[70] Anonymous. 1881. *Proccedings of the California Academy of Sciences at a reception given to the captain and officers of the* Jeannette *Search Expedition when about to sail from this port in the United States Exploring and Relief Steamer* Rodgers*, Lieutenant Robert M. Berry, U.S. Navy, commanding; including papers read, with the discussion thereon, before the Academy at its regular meeting held June 6, 1881. "From the Proceedings of the California Academy of Sciences".* California Academy of Sciences (privately printed), San Francisco. 19 + [1] pp.

(Reprinted from the June 7, 1881 report in *Daily Alta California* newspaper.

This paper, presented at a meeting of the California Academy of Sciences, was in effect privately printed because publication of the regular Academy *Proceedings* had been suspended in late 1877 due to the lack of funds for publication. A series of privately printed papers ensued and are often cited as if they had been published in the *Proceedings of the California Academy of Sciences.* A *Bulletin* was begun by the Academy in 1884, but publication of the *Bulletin* ceased in 1887 when formal publication of the *Proceedings* was begun again in December 1887 as the "second series."

The additional papers read during the session include "Early discoveries of Wrangel Land" and "The object of Arctic Exploration" by C.W. Brooks: Description of the *Rodgers*, and "The telegraph in Arctic regions" by James Gamble.)

[672] California Academy of Sciences. 1881. *Constitution and By-laws of the California Academy of Sciences.* California Academy of Sciences, George Spaulding & Co., San Francisco. 49 pp.

[1540] Gibbes, Charles Drayton. 1882. *Pre-historic footprints in the Sandstone Quarry of the Nevada State Prison. "From the Proceedings of the California Academy of Sciences".* California Academy of Sciences (privately printed), San Francisco. 9 pp., figs.

(This paper, presented at a meeting of the California Academy of Sciences, was in effect privately printed because publication of the regular Academy *Proceedings* had been suspended in late 1877 due to the lack of funds for publication. A series of privately printed papers ensued and are often cited as if they had been published in the *Proceedings of the California Academy of Sciences.* A *Bulletin* was begun by the Academy in 1884, but publication of the *Bulletin* ceased in 1887 when formal publication of the *Proceedings* was begun again in December 1887 as the "second series.")

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funds for publication. A series of privately printed papers ensued and are often cited as if they had been published in the *Proceedings of the California Academy of Sciences.* A *Bulletin* was begun by the Academy in 1884, but publication of the *Bulletin* ceased in 1887 when formal publication of the *Proceedings* was begun again in December 1887 as the "second series.")

[2673] Le Conte, Joseph. 1882. *On certain remarkable tracks, found in the rocks of Carson Quarry. From the Proceedings of the California Academy of Sciences, August 7, 1882.* Privately printed for the California Academy of Sciences, San Francisco. 10 pp.

(This paper, presented at a meeting of the California Academy of Sciences, was in effect privately printed because publication of the regular Academy *Proceedings* had been suspended in late 1877 due to the lack of funds for publication. A series of privately printed papers ensued and are often cited as if they had been published in the *Proceedings of the California Academy of Sciences.* A *Bulletin* was begun by the Academy in 1884, but publication of the *Bulletin* ceased in 1887 when formal publication of the *Proceedings* was begun again in December 1887 as the "second series.")

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(This paper, presented at a meeting of the California Academy of Sciences, was in effect privately printed because publication of the regular Academy *Proceedings* had been suspended in late 1877 due to the lack of funds for publication. A series of privately printed papers ensued and are often cited as if they had been published in the *Proceedings of the California Academy of Sciences.* A *Bulletin* was begun by the Academy in 1884, but publication of the *Bulletin* ceased in 1887 when formal publication of the *Proceedings* was begun again in December 1887 as the "second series.")

[3554] Stearns, Robert Edwards Carter. 1882. *On the history and distribution of the fresh water mussels and the identity of certain alleged species. "From the Proceedings of the California Academy of Sciences".* California Academy of Sciences (privately printed), San Francisco, California. 19 pp.

(This paper, presented at a meeting of the California Academy of Sciences, was in effect privately printed because publication of the regular Academy *Proceedings* had been suspended in late 1877 due to the lack of funds for publication. A series of privately printed papers ensued and are often cited as if they had been published in the *Proceedings of the California Academy of Sciences.* A *Bulletin* was begun by the Academy in 1884, but publication of the *Bulletin* ceased in 1887 when formal publication of the *Proceedings* was begun again in December 1887 as the "second series.")

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[673] California Academy of Sciences. 1884. *On the late Doctor Henry Gibbons: before the California Academy of Sciences, December 1, 1884. "From the Proceedings of the California Academy of Sciences".* California Academy of Sciences (privately printed), San Francisco. 4 pp.

(This paper, presented at a meeting of the California Academy of Sciences, was in effect privately printed because publication of the regular Academy *Proceedings* had been suspended in late 1877 due to the lack of funds for publication. A series of privately printed papers ensued and are often cited as if they had been published in the *Proceedings of the California Academy of Sciences.* A *Bulletin* was begun by the Academy in 1884, but publication of the *Bulletin* ceased in 1887 when formal publication of the *Proceedings* was begun again in December 1887 as the "second series.")

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[928] Dakin, Susanna Bryant. 1954. *The Perennial Adventure — A Tribute to Alice Eastwood, 1859-1953.* California Academy of Sciences, San Francisco, California. 48 pp.

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[1704] Gudde, Erwin. 1955. A century of astronomy and geodesy in California. Pages 65-74 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences.* California Acad-

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[1433] Ferris, Gordon Floyd. 1955. The contribution of natural history to human progress. Pages 75-87 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences*. California Academy of Sciences, San Francisco, California.

[3819] Van Niel, C. B. 1955. Classification and Taxonomy of the Bacteria and Bluegreen Algae. Pages 89-114 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences*. California Academy of Sciences, San Francisco, California.

[3052] Papenfuss, George F. 1955. Classification of the Algae. Pages 115-224 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences*. California Academy of Sciences, San Francisco, California.

[399] Bessey, Ernst Athearn. 1955. Mycology. Pages 225-265 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences*. (Includes 8 figs.) California Academy of Sciences, San Francisco, California.

[3559] Steere, William C. 1955. Bryology. Pages 267-299 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences*. California Academy of Sciences, San Francisco, California.

[2822] Manton, Irene. 1955. Pteridology. Pages 301-321 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences*. California Academy of Sciences, San Francisco, California.

[1448] Florin, Rudolf. 1955. The Systematics of the Gymnosperms. Pages 323-403 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences*. California Academy of Sciences, San Francisco, California.

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[3301] Ross, Edward S. 1955. Systematic Entomology: Introduction. Pages 485-495 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences*. California Academy of Sciences, San Francisco, California.

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[1275] Edmunds Jr., George F. 1955. Systematic Entomology: Ephemeroptera. Pages 509-512 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences*. California Academy of Sciences, San Francisco, California.

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[1707] Gurney, Ashley B. 1955. Systematic Entomology: Zoraptera. Pages 516-517 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences*. California Academy of Sciences, San Francisco, California.

[1434] Ferris, Gordon Floyd. 1955. Systematic Entomology: Some minute insects: Anoplura, Mallophaga and the scale insects. Pages 517-523 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences*. California Academy of Sciences, San Francisco, California.

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[2905] Metcalf, Z. P. 1955. Systematic Entomology: Homoptera auchenorhyncha. Pages 527-533 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences*. California Academy of Sciences, San Francisco, California.

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[3314] Ross, Herbert H. 1955. Systematic Entomology: Trichoptera. Pages 538-540 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences*. California Academy of Sciences, San Francisco, California.

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[3367] Schmidt, Karl Patterson. 1955. Herpetology. Pages 591-627 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences*. (Includes 13 figs.) California Academy of Sciences, San Francisco, California.

[3401] Sibley, Charles G. 1955. Ornithology. Pages 629-659 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences*. California Academy of Sciences, San Francisco, California.

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[2686] Leopold, Aldo Starker. 1955. The conservation of wildlife. Pages 795-807 *in* Edward L. Kessel, ed., *A Century of Progress in the Natural Sciences, 1853-1953. Published in Celebration of the Centennial of the California Academy of Sciences*. California Academy of Sciences, San Francisco, California.

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WENDEROTH, KLAUS
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WIGGINS, IRA LOREN
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WILCOX, J
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WILEY, EDWARD O
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WILLEY, J M
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WILLIAMS, ALAN
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WILLIAMS, CLARA L
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WILLIAMS, GARY CAMPBELL
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General Keyword Index
Geographical and New Taxa

18TH CENTURY, 3736
ABIES BRIDGEI KELLOGG 1859, 2457
ABOMA ETHEOSTOMA JORDAN & STARKS 1895, 2333
ABRONIA ALBA EASTWOOD 1898, 1125
ABRONIA CRUX-MALTAE KELLOGG 1860, 2483
ABRONIA MICRANTHA VAR. PEDUNCULATA JONES 1895, 2327
ABRONIA TURBINATA VAR. MARGINATA EASTWOOD 1896, 1122
ABUDEFDUF TRIDENTATUS CLARK 1938, 756
ABU DHABI, 1512, 2702
ABUTILON, 2376, 2383
ABUTILON CINCTUM BRANDEGEE 1893, 556
ABUTILON FRAGILE BRANDEGEE 1901, 568
ABUTILON PERUVIANUM (LAM.) KEARNEY 1958 [COMB. NOV.], 2383
ACACIA, 3342
ACACIA CALIFORNICA BRANDEGEE 1892, 552
ACACIA CRINITA BRANDEGEE 1905, 573
ACALYPHA ALIENA BRANDEGEE 1891, 541
ACALYPHA (BETULINAE) COMONDUANA MILLSPAUGH 1889, 2932
ACANALONIA PUELLA VAN DUZEE 1923, 3802
ACANTHACEAE, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 969, 976, 977, 979, 981, 982, 984, 985, 986, 3738
ACANTHACEAE:NELSONIOIDEAE, 3879
ACANTHEMBLEMARIA STEPHENSI ROSENBLATT & MCCOSKER 1988, 3298
ACANTHOCERAS COMPRESSUM ANDERSON 1902, 44
ACANTHOCHITES AVICULA CARPENTER 1866, 700
ACANTHOCHITONA TABOGENESIS SMITH 1961, 3443
ACANTHODACTYLUS, 3185
ACANTHODACTYLUS CANTORIS SCHMIDTI HAAS 1957, 1713
ACANTHODACTYLUS GONGRORHYNCHATUS LEVITON & ANDERSON 1967, 2702
ACANTHODACTYLUS HAASI LEVITON & ANDERSON 1967, 2702
ACANTHODACTYLUS NILSONI RASTEGARPOUYANI 1998, 3185
ACANTHODERES COCOENSIS LINSLEY & CHEMSAK 1966, 2739
ACANTHODERES SOCORROENSIS LINSLEY 1942, 2736
ACANTHODORIS PLANCA FAHEY & VALDÉS 2005, 1415
ACANTHODRILUS TAMAJUSI EISEN 1896, 1340
ACANTHODRILUS VASLITI EISEN 1896, 1340
ACANTHOGILIA DAY & MORAN 1986, 1041
ACANTHOGONUM POLYGONOIDES VAR. LONGISPINUM GOODMAN 1955, 1581
ACANTHOLITHODES HOLMES 1895, 1906
ACANTHOMINTHA LANCEOLATA CURRAN 1884, 915
ACANTHOPLEURA FLUXA CARPENTER 1866, 700
ACANTHOPTILUM LONGIFOLIUM WILLIAMS 2007, 3958
ACANTHURIDAE, 3723
ACANTHURUS REVERSUS RANDALL & EARLE 1999, 3177
ACANTHUS LOCKINGTON 1877, 2750
ACANTHUS SPINO-HIRSUTUS LOCKINGTON 1877, 2750
ACANTOPHTHALMUS SUPERBUS ROBERTS 1989, 3279
ACARTAUCHENIUS INSANUS BANKS 1898, 259
ACENTRONICHTHYS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
ACENTRONICHTHYS LEPTOS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
ACHAENIPODIUM BRANDEGEE 1908, 575
ACHALINUS WERNERI VAN DENBURGH 1912, 3767
ACHATINELLA ALEXANDRI NEWCOMB 1865, 3004
ACHATINELLA ANTHONII NEWCOMB 1861, 3000
ACHENIPODUM DISCOIDEUM BRANDEGEE 1908, 575
ACHILLEA BOREALIS VAR. ARENICOLA (HELLER) HOWELL 1948 [STAT. NOV.], 2100
ACHILLEA BOREALIS VAR. CALIFORNICA (POLL.) HOWELL 1948 [STAT. NOV.], 2100
ACHIRUS ZEBRINUS CLARK 1936, 755
ACHNANTHES PRAVA SOVEREIGN 1963, 3488
ACHRYSON GALAPAGOENSIS DARWINI LINSLEY & CHEMSAK 1966, 2738
ACHRYSON GALAPAGOENSIS FLAVESCENS LINSLEY & CHEMSAK 1966, 2738
ACHYRONYCHIA RIXFORDII BRANDEGEE 1890, 536
ACIPENSER ACUTIROSTRIS AYRES 1854, 141, 188
ACIPENSER BRACHYRYNCHUS AYRES 1854, 141, 188
ACIPENSER MEDIROSTRIS AYRES 1854, 141, 188
ACIRSA ALBEMARLENSIS DALL & OCHSNER 1928, 954
ACIURA MACULATA COLE 1919, 788
ACLESIA RICKETTSI MACFARLAND 1966, 2789
ACMAEODERA BIVULNERA HORN 1894, 1935
ACMAEODERA CLAUSA HORN 1894, 1935
ACMAEODERA CRIBICOLLIS HORN 1894, 1935
ACMAEODERA DELUMBIS HORN 1894, 1935
ACMAEODERA INSIGNIS HORN 1894, 1935

ACMAEODERA MACULIFERA HORN 1894, 1935
ACMAEODERA NEBULOSA HORN 1894, 1935
ACMAEODERA SCAPULARIS HORN 1894, 1935
ACMAEODERA STIGMATA HORN 1894, 1935
ACMAEODEROIDES CAZIERI NELSON 1968, 2998
ACMAEODEROIDES DEPRESSA NELSON 1968, 2998
ACMAEODEROIDES DISTINCTA NELSON 1968, 2998
ACMAEODEROIDES FERRUGINIS WELLSO & NELSON 1968, 2998
ACMAEODEROIDES KNULLI NELSON 1968, 2998
ACMAEODEROIDES RUFESCENS NELSON 1968, 2998
ACMAEODEROIDES STRAMINEA NELSON 1968, 2998
ACMAEODEROIDES VAN DYKE 1942, 3817
ACMAEODEROIDES VERITYI NELSON 1968, 2998
ACNODON NORMANI GOSLINE 1951, 1595
ACOMA CAZIERI SAYLOR 1948, 3360
ACOMA DILEMMA SAYLOR 1948, 3360
ACOMA ROSSI SAYLOR 1948, 3360
ACOMA SEXFOLIATA SAYLOR 1948, 3360
ACRITUS VOLITANS HALL 1901, 1718
ACROPYGA BAKWELE LAPOLLA & FISHER 2005, 2659
ACROSPERMUM FULTUM HARKNESS 1884, 1773
ACROSTICTA MEXICANA COLE 1923, 786
ACROSTICTA TEPOCAE COLE 1923, 786
ACTAEA MEANDRICUS LOCKINGTON 1877, 2758
ACTAEON MERRIAMI WARING 1917, 3858
ACTEOCINA ANGUSTIOR BAKER & HANNA 1927, 233
ACTEODES MEXICANUS LOCKINGTON 1877, 2751
ACTEON QUERCUS ANDERSON & HANNA 1925, 51
ACTIDIUM ATTENUATUM CASEY 1885, 708
ACTIDIUM GRANULOSUM CASEY 1885, 708
ACTIDIUM ROBUSTULUM CASEY 1885, 708
ACTIDIUM ROTUNDICOLLE CASEY 1886, 710
ACTINIDIACEAE, 2411
ACTINOCYCLUS ALLINEARIUS HANNA & GRANT 1926, 1748
ACTINOCYCLUS CANESTRUS HANNA & GRANT 1926, 1748
ACTINOCYCLUS CUBITUS HANNA & GRANT 1926, 1748
ACTINOCYCLUS JOUSEAE BARRON 2005, 310
ACTINOCYCLUS NIGRINIAE BARRON 2005, 310
ACTINOCYCLUS ROSOLEO HANNA & GRANT 1926, 1748
ACTINOLEPIS MUTICA KELLOGG 1877, 2583
ACTINOPTYCHUS GALLEGOSI HANNA & GRANT 1926, 1748
ACTINOPTYCHUS KERNENSIS HANNA 1932, 1737
ACTINOPTYCHUS PACKI HANNA 1927, 1734
ACTINOPTYCHUS PERPLEXUS HANNA & GRANT 1926, 1748
ACTINOPTYCHUS SOLISI HANNA & GRANT 1926, 1748
ACTINOPTYCHUS TAFFI HANNA 1927, 1734
ACTIUM CASEY 1886, 710
ACTIUM PALLIDUM CASEY 1887, 711
ACTIUM POLITUM CASEY 1887, 711
ACTIUM ROBUSTULUM CASEY 1887, 711
ACTIUM TESTACEUM CASEY 1887, 711
ACTOBIUS FORMOSUS HALL 1901, 1718
ACTOEODES [SIC] MEXICANUS LOCKINGTON 1877 [SEE ACTEODES], 2758
ACTOEODES XANTHO LOCKINGTON 1877, 2758
ACUCEPHALUS GIFFARDI VAN DUZEE 1917, 3795
ACYPHODERES AMOENA CHEMSAK & LINSLEY 1979, 739
ACYPHODERES DELICATUS HORN 1894, 1935
ACYPHODERES FULGIDA CHEMSAK & LINSLEY 1979, 739
ACYPHODERES PARVA CHEMSAK & LINSLEY 1979, 739
ADALARIA EVINCTA MILLEN 2006, 2913
ADALIA GALAPAGOENSIS VAN DYKE 1953, 3818
ADELIA VIRGATA BRANDEGEE 1894, 561
ADELPHOCORIS SUPERBUS BOREALIS VAN DUZEE 1917, 3795
ADENOPLEA MADAGASCARIENSIS (LAM.) EASTWOOD 1936 [COMB. NOV.], 1188
ADEORBIS-COSTATA GARRETT 1857, 1504, 1507
ADETUS NESIOTES LINSLEY & CHEMSAK 1966, 2739
ADMETE CLATSKANIENSIS ANDERSON & MARTIN 1914, 53
ADRIATIC SEA, 707
AEGA ALASKENSIS LOCKINGTON 1877, 2751
AEGA HARTFORDII LOCKINGTON 1877, 2751
AEGIRES EXECHES FAHEY & GOSLINER 2004, 1414
AEGIRES FLORES FAHEY & GOSLINER 2004, 1414
AEGIRES HAPSIS FAHEY & GOSLINER 2004, 1414
AEGIRES INCUSUS FAHEY & GOSLINER 2004, 1414
AEGIRES LEMONCELLO FAHEY & GOSLINER 2004, 1414
AEGIRES MALINUS FAHEY & GOSLINER 2004, 1414
AEGIRES NINGUIS FAHEY & GOSLINER 2004, 1414
AEGIRES PETALIS FAHEY & GOSLINER 2004, 1414
AEOLIDIELLA OLIVIAE MACFARLAND 1966, 2789
AEOLIS BARBARENSIS COOPER 1863, 821
AEOLIS (FLABELLINA?) OPALESCENS COOPER 1863, 818
AEOLIS (PHIDIANA?) IODINEA COOPER 1863, 818
AESCHNA CALIFORNICA HAGEN IN CALVERT 1895, 674
AESCHYNOMENE NIVEA BRANDEGEE 1889, 524
AESCHYNOMENE PURPUSII BRANDEGEE 1908, 577
AESCHYNOMENE VIGIL BRANDEGEE 1891, 541
AFGHANISTAN, 65, 66, 67, 761, 2689, 2701, 2704, 3311
AFRICA, 315, 317, 318, 320, 598, 798, 799, 981, 1078, 1079, 1081, 1487, 1503, 1587, 1600, 1672, 2608, 2631,

2940, 3161, 3163, 3223, 3280, 3281, 3467, 3951, 3964, 3966, 3999, 4045
AFRICA:ANGOLA, 2862
AFRICA (EAST), 2628
AFRICA:GABON, 661, 746, 1439, 1440, 1584, 2659, 3009, 3012, 3013, 3149, 3484, 3644
AFRICA:GUINEA-BISSAU, 2862
AFRICA:GULF OF GUINEA, 1082, 1083, 2356, 3105
AFRICA (WEST), 3115
AFRICEPHEIA MADAGASCARIENSIS MILLER 2007, 2920
AFRICEPHEIA MILLER 2007, 2920
AFROGECKO BAUER & GOOD & BRANCH 1997, 315
AGALENA ORIZABA BANKS 1898, 259
AGALENA PENINSULANA BANKS 1898, 259
AGALLIA MERA VAN DUZEE 1937, 3807
AGALLIA TERGATA VAN DUZEE 1923, 3802
AGAMA BADAKHSHANA ANDERSON & LEVITON 1969, 67
AGAMA NURISTANCIA ANDERSON & LEVITON 1969, 67
AGAPOSTEMON ANGELICUS COCKERELL 1924, 775
AGAPOSTEMON CALIFORNICUS CLEMENTINUS COCKERELL 1939, 779
AGAPOSTEMON CYANOZONUS COCKERELL 1924, 775
AGAPOSTEMON PROSCRIPTELLUS COCKERELL 1924, 775
AGAPOSTEMON PURPUREOPICTUS COCKERELL 1924, 775
AGASOMA ACUMINATUM ANDERSON & MARTIN 1914, 53
AGASOMA COLUMBIANUM ANDERSON & MARTIN 1914, 53
AGASOMA OREGONENSE ANDERSON & MARTIN 1914, 53
AGASOMA YAQUINANUM ANDERSON & MARTIN 1914, 53
AGASSIZIZ REGIA ISRAELSKY 1924, 2262
AGASTACHE PARVIFOLIA EASTWOOD 1940, 1227
AGATHIDIUM VIRILE HALL 1901, 1718
AGATHOMYIA LUTEA COLE 1919, 788
AGAVE, 3044
AGAVE CAPENSIS GENTRY 1978, 1517
AGAVE CHRYSOGLOSSA JOHNSTON 1924, 2313
AGAVE (EUAGAVE) AUREA BRANDEGEE 1889, 524
AGAVE (EUAGAVE) MARGARITAE BRANDEGEE 1889, 524
AGAVE (EUAGAVE) SOBRIA BRANDEGEE 1889, 524
AGAVE GIGANTENSIS GENTRY 1978, 1517
AGAVE MORANII GENTRY 1978, 1517
AGAVE OWENI JOHNSTON 1924, 2313
AGAVE SEBASTIANA GREENE 1885, 1636
AGAVE SLEVINIANA JOHNSTON 1924, 2313
AGAVE VIZCAINOENSIS GENTRY 1978, 1517
AGENEIOSUS ATRONASUS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
AGLAJA BAKERI MACFARLAND 1924, 2787
AGNOSTOKASIA GURNEY & RENTZ 1964, 1708
AGNOSTOKASIA SUBLIMA GURNEY & RENTZ 1964, 1708
AGONOSTOMUS HANCOCKI SEALE 1932, 3379
AGONUM ALBEMARLI VAN DYKE 1953, 3818
AGONUM CHATHAMI VAN DYKE 1953, 3818
AGONUM DARWINI VAN DYKE 1953, 3818
AGOSERIS GLAUCA VAR. ASPERA (RYDB.) CRONQUIST 1950 [COMB. NOV.], 902
AGRIA GHERZII PALMER 1928, 3050
AGRICOLA (GEORGIUS), 20
AGRILUS GIBBICOLLIS HALL 1901, 1718
AGRILUS ILLECTUS HALL 1901, 1718
AGRILUS INEPTUS HORN 1894, 1935
AGRILUS PENINSULARIS VAN DYKE 1942, 3817
AGRIOTES BIVITTATUS VAN DYKE 1932, 3816
AGRIOTES BLAISDELLI VAN DYKE 1932, 3816
AGRIOTES CRIDDLEI VAN DYKE 1932, 3816
AGRIOTES CYLINDRICUS VAN DYKE 1932, 3816
AGRIOTES POROSUS VAN DYKE 1932, 3816
AGROECA HESPERIA BANKS 1921, 261
AGROPYRON SPICATUM F. INERME (SCRIBN. & SMITH) BEETLE 1951 [COMB. NOV.], 333
AGROSTIS, 3611
AGROSTIS ARISTIGLUMIS SWALLEN 1947, 3610
AGROSTIS HOOVERI SWALLEN 1949, 3612
AGROSTIS LONGILIGULA VAR. AUSTRALIS HOWELL 1946, 2082
AGROTIS CONSTERNANS HAYES 1975, 1804
AGROTIS SUBTERRANEA WILLIAMSI HAYES 1975, 1804
AKERA BOLIVARENSIS ANDERSON 1928, 49
AKIODORIDIDAE MILLEN & MARTYNOV FAM. NOV., 53, 2918
AKIODORIS SALACIA MILLEN 2005, 2918
AKOTROPIS FUMATA IMPERSONATA FENNAH 1956, 1423
AKYSIS PSEUDOBAGARIUS ROBERTS 1989, 3279
ALABA SERRANA SMITH & GORDON 1948, 3449
ALABINA JORDANI STRONG 1938, 3597
ALA LOCKINGTON 1877, 2755
ALASKA, 423, 445, 447, 898, 933, 934, 940, 941, 944, 946, 1186, 1262, 1271, 1377, 1407, 1560, 1740, 1743, 1759, 2342, 2593, 2750, 2751, 2754, 3422, 3527, 3535, 3617, 3623, 3813, 3955
ALASMODON YUBAENSIS TRASK 1855, 3676, 3694
ALA SPINOSA LOCKINGTON 1877, 2755
ALASTOROIDES SLEVINI BOHART 1948, 472
ALBANIA, 2912
ALBIZZIA OCCIDENTALIS BRANDEGEE 1892, 552
ALDISA ALBATROSSAE ELWOOD & VALDÉS & GOSLINER 2000, 1348
ALDISA ANDERSONI GOSLINER & BEHRENS 2004, 1609

ALDISA WILLIAMSI ELWOOD & VALDÉS & GOSLINER 2000, 1348
ALECTORIA PACIFICA STIZENBERGER 1895, 3575
ALECTRION TROPICALIS DALL & OCHSNER 1928, 954
ALEODRILUS EISEN 1896, 1340
ALEODRILUS KEYESI EISEN 1896, 1340
ALEUTIAN ISLANDS, 948, 943, 945, 950, 1262, 2751
ALEXIA SETIFER COOPER 1872, 833
ALEXIA SETIFER COOPER 1875, 841
ALEXURUS ARMIGER JORDAN 1895, 2333
ALEXURUS JORDAN 1895, 2333
ALGAE, 41, 42, 421, 468, 1840, 2947, 3052, 3100, 3383, 3385, 3386, 3387, 3388, 3389, 3460, 3819, 3997
ALGERIA, 3059
ALIGA MODESTA OCCIDENTALIS VAN DUZEE 1925, 3804
ALIGENA CERRITENSIS ARNOLD 1903, 126
ALIGIA AMOENA VAN DUZEE 1923, 3802
ALIGIA CALIFORNICA VAN DUZEE 1925, 3804
ALIGIA COLEI VAN DUZEE 1925, 3804
ALISMA, 3334
ALLECULA GALAPAGOENSIS VAN DYKE 1953, 3818
ALLECULA INSULARIS VAN DYKE 1953, 3818
ALLECULA SORDIDA HORN 1894, 1935
ALLENBATRACHUS MERIDIONALIS GREENFIELD & SMITH 2004, 1658
ALLEORUS DEPRELLUS STRONG 1938, 3597
ALLEORUS STRONG 1938, 3597
ALLIOPSIS CALIFORNIENSIS HUCKETT 1966, 2248
ALLIOPSIS HIRTITIBIA HUCKETT 1966, 2248
ALLIOPSIS INCOMPTA HUCKETT 1966, 2248
ALLIPS CONCOLOR MCCOSKER 1972, 2854
ALLIPS MCCOSKER 1972, 2854
ALLIUM ACUMINATUM VAR. CUSPIDATUM FERNALD 1894, 1425
ALLIUM ANCEPS KELLOGG 1861, 2489
ALLIUM ATTENUIFOLIUM KELLOGG 1861, 2490
ALLIUM CRATERICOLA EASTWOOD 1934, 1180
ALLIUM HOWELLII EASTWOOD 1938, 1210
ALLIUM HYALINUM CURRAN 1885, 917
ALLIUM LACUNOSUM VAR. MICRANTHUM EASTWOOD 1938, 1207, 2003
ALLIUM NEVADENSE VAR. MACROPETALUM PECK 1945, 3092
ALLIUM PARVUM KELLOGG 1863, 2517
ALLIUM PRAECOX BRANDEGEE 1908, 574
ALLIUM PURDYI EASTWOOD 1938, 1210
ALLIUM ROBUSTUM 1938, 1210
ALLIUM UNIFOLIUM KELLOGG 1861, 2490
ALLIUM YOSEMITENSE EASTWOOD 1934, 1180
ALLOCARYA, 3193
ALLOCARYIA AUSTINAE VAR. NUDA HOOVER 1936, 1913
ALLODIA HIRTICAUDA VAN DUZEE 1928, 3813
ALLOGONA LOMBARDII SMITH 1943, 3439
ALLONISCUS MACULOSUS HARFORD 1877, 1767
ALLORCHESTES SEMINUDA STIMPSON 1856, 3572, 3573
ALLOXACIS FLORIDANA HORN 1896, 1938
ALLOXACIS HOODI VAN DYKE 1953, 3818
ALLOXACIS HORN 1896, 1938
ALLOXACIS NITIDULA HORN 1896, 1938
ALOPECURUS AEQUALIS VAR. SONOMENSIS RUBTZOFF 1961, 3332
ALPHEUS BELLIMANUS LOCKINGTON 1877, 2750
ALPHEUS CALIFORNIENSIS HOLMES 1900, 1908
ALPHEUS CLAMATOR LOCKINGTON 1877, 2751
ALPHEUS EQUIDACTYLUS LOCKINGTON 1877, 2750
ALSINE PALUSTRE KELLOGG 1863, 2518
ALTELLA POLITA BANKS 1898, 259
ALTERNANTHERA FILIFOLIA FLAUCA HOWELL 1933, 1965
ALTERNANTHERA FILIFOLIA MARGARITACEA HOWELL 1933, 1965
ALTERNANTHERA FILIFOLIA SUBSQUARROSA HOWELL 1933, 1965
ALTERNANTHERA FILIFOLIA SYLVATICA HOWELL 1933, 1965
ALTERNANTHERA FLOSCULOSA HOWELL 1933, 1965
ALTERNANTHERA HALIMIFOLIA MACROPHYLLA HOWELL 1933, 1965
ALVANIA GALLEGOSI BAKER & HANNA & STRONG 1930, 235
ALVANIA GRANTI STRONG 1938, 3597
ALVANIA HERRERAE BAKER & HANNA & STRONG 1930, 235
ALVANIA LUCASANA BAKER & HANNA & STRONG 1930, 235
ALVANIA MONSERRATENSIS BAKER & HANNA & STRONG 1930, 235
ALVANIA VELERONIS HERTLEIN & STRONG 1939, 1863
ALVANIA VINOSULA ANDERSON & HANNA 1925, 51
ALVORDIA BRANDEGEE 1889, 524
ALVORDIA BRANDEGEEI CARTER 1964, 703
ALVORDIA GLOMERATA BRANDEGEE 1889, 524
ALYCYONIDIUM PEDUNCULATUM ROBERTSON 1902, 3285
AMARANTHUS, 2225, 3456, 3887
AMARANTHUS FURCATUS HOWELL 1933, 1965
AMARTA CROCEA EDWARDS 1875, 1288
AMARTA KELLOGGII EDWARDS 1875, 1288
AMASA CYLINDROTOMICUS (SCHEDL) DOLE & COGNATO 2010 [COMB. NOV.], 1074
AMASA OMISSUS (SCHEDL) DOLE & COGNATO 2010 [COMB. NOV.], 1074
AMASA ORALIS (SCHEDL) DOLE & COGNATO 2010 [COMB. NOV.], 1074
AMAUROBIUS PENINSULANUS BANKS 1898, 259

AMAUROPSIS ANDERSONI DICKERSON 1914, 1055
AMAUROPSIS UMPQUAENSIS DICKERSON 1914, 1055
AMAZON BASIN, 1364
AMAZONSPRATTUS ROBERTS 1984, 3278
AMAZONSPRATTUS SCINTILLA ROBERTS 1984, 3278
AMBLYCEPHALUS FORMOSENSIS VAN DENBURGH 1909, 3762
AMBLYRHYNCHUS, 695
AMBOENEMBIA ROSS 2001, 3308
AMBONEMBIA INCAE ROSS 2001, 3308
AMBON ISLAND, 2761
AMMONITE CHICOENSIS TRASK 1856, 3680, 3699
AMMONITES, 453, 458, 890, 3461, 3462, 3463
AMMONITES BATESII TRASK 1855, 3677, 3695
AMMOPHILA FEMUR-RUBRA FOX 1894, 1465
AMMOPHORUS ABINGDONI VAN DYKE 1953, 3818
AMMOPHORUS ANTENNATUS VAN DYKE 1953, 3818
AMMOPHORUS BIFOVEATUS BARRINGTONI VAN DYKE 1953, 3818
AMMOPHORUS BLAIRI VAN DYKE 1953, 3818
AMMOPHORUS GALAPAGOENSIS LAEVIS VAN DYKE 1953, 3818
AMMOPHORUS GALAPAGOENSIS SUBPUNCTATUS VAN DYKE 1953, 3818
AMMOPHORUS SIMPLEX VAN DYKE 1953, 3818
AMORPHA EMARGINATA EASTWOOD 1931, 1146
AMPHIBIANS, 15, 61, 67, 255, 319, 608, 610, 611, 612, 613, 614, 615, 616, 661, 758, 759, 761, 1078, 1079, 1080, 1081, 1082, 1095, 1342, 1567, 1713, 2293, 2701, 2704, 2708, 2985, 3254, 3358, 3418, 3419, 3420, 3421, 3422, 3425, 3427, 3429, 3430, 3431, 3433, 3435, 3615, 3623, 3652, 3735, 3749, 3750, 3752, 3756, 3759, 3762, 3766, 3767, 3768, 3770, 3778, 3779, 3782, 3783, 3784, 3787, 3788, 3789, 3878, 3994, 3995
AMPHICHROUM ALUTACEUM CASEY 1886, 710
AMPHICHROUM CRASSICORNE CASEY 1886, 710
AMPHICHROUM FLAVICORNE CASEY 1886, 710
AMPHICHROUM PILOSLLUM CASEY 1886, 710
AMPHICHROUM VETERATOR CASEY 1886, 710
AMPHICOMA COOPERI HALL 1901, 1718
AMPHIDORA SUBDEPLANATA BLAISDELL 1943, 410
AMPHILOPHIUM PURPUREUM BRANDEGEE 1905, 573
AMPHISBAENA CARVALHOI GANS 1965, 1501
AMPHISBAENIANS, 62
AMPHISPIZA BILINEATA BELVEDEREI BANKS 1963, 264
AMPHISSA LYRTA BAKER & HANNA & STRONG 1938, 238
AMPHISSA POSUNCULENSIS ANDERSON & MARTIN 1914, 53
AMPHISSA VENTRICOSA ARNOLD 1903, 126
AMPHITHALAMUS(?) LACUNATUS CARPENTER 1866, 700
AMPHITRITE EDWARDSII LOCKINGTON 1877, 2751
AMPHIURA LYMANI WARING 1917, 3858
AMPHORA MARIA HANNA & GRANT 1926, 1748
AMPHOROPHORA PERUVIANA ESSIG 1953, 1375
AMPHRITRITE PAUCISPINIS LOCKINGTON 1877, 2758
AMPLOVA ALLENI MYERS 1940, 2988
AMPULLARIA GUADUASENSIS ANDERSON 1928, 49
AMPULLARIA TUBERACOLA ANDERSON 1929, 50
AMSINCKIA MARITIMA EASTWOOD 1898, 1125
AMSINCKIA ST. NICOLAI EASTWOOD 1898, 1125
AMYCLA(?) CHRYSALLOIDEA CARPENTER 1866, 700
AMYCLA UNDATA CARPENTER 1864, 698
ANACAENA STERNALIS LEECH 1948, 2679
ANACAMPSIS TRIANGULARIS BRAUN 1923, 579
ANACHIS GUERREROENSIS STRONG & HERTLEIN 1937, 3602
ANACHIS SINALOA STRONG & HERTLEIN 1937, 3602
ANACHIS SUBTURRITA CARPENTER 1866, 700
ANACHIS TREVA BAKER & HANNA & STRONG 1938, 238
ANAPTYCHIA CILIATOMARGINATA LINDER 1934, 2726
ANARBYLUS MURPHY 1974, 2983
ANARBYLUS SWITAKI MURPHY 1974, 2983
ANARRHICHTHYS AYRES 1855, 149, 196
ANARRHICHTHYS OCELLATUS AYRES 1855, 149, 196
ANATHECA ELONGATA SETCHELL & GARDNER 1924, 3387
ANATOMY, 152, 159, 199, 206, 239, 256, 878, 1331, 1332, 1338, 1343, 1469, 1470, 1598, 1805, 2592, 2619, 2922, 2923, 2924, 2925, 2926, 2930, 3041, 3253, 3477, 3511, 3727
ANATYA NORMALIS CALVERT 1899, 675
ANCHASTUS ARIZONICUS VAN DYKE 1932, 3816
ANCHASTUS SUBOPACUS VAN DYKE 1932, 3816
ANCHASTUS VENTRALIS VAN DYKE 1932, 3816
ANCHASTUS WILLIAMSI VAN DYKE 1953, 3818
ANCHISTA TENUIPES HOLMES 1900, 1908
ANCHOA JORDAN & EVERMANN 1927, 2348
ANCHONNODERUS APICALIS HORN 1894, 1935
ANCHURA CONDONIANA ANDERSON 1902, 44
ANCISTROMA GIGAS KELLOGG 1896, 2591
ANCISTRUS CHAGRESI C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
ANCISTRUS CIRRHOSUS DUBIUS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
ANCISTRUS STIGMATICUS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
ANCYLANDRENA TIMBERLAKEI ZAVORTINK 1974, 4027
ANCYLOSCELES MELANOSTOMA COCKERELL

1923, 774
ANCYLUS CAURINUS SUBALPINUS COOPER 1890, 850
ANDESEMBIA BANOSAE ROSS 2003, 3309
ANDESEMBIA CALINAE ROSS 2003, 3309
ANDESEMBIA CUENCAE ROSS 2003, 3309
ANDESEMBIA INCOMPTA ROSS 2003, 3309
ANDESEMBIA LOJAE ROSS 2003, 3309
ANDESEMBIA POPAYANAE ROSS 2003, 3309
ANDESEMBIA ROSS 2003, 3309
ANDESEMBIIDAE ROSS 2003, 3309
ANDES LACHESIS FENNAH 1956, 1423
ANDES NOCTUA FENNAH 1956, 1423
ANDES OTHREPTE FENNAH 1956, 1423
ANDES UNCINATUS FENNAH 1956, 1423
ANDRENA BERNARDINA LINSLEY 1938, 2735
ANDRENA CEANOTHIFLORIS LINSLEY 1938, 2735
ANDRENA COACTIFERA VIECECK 1926, 3833
ANDRENA CUNEILABRIS VIERECK 1926, 3833
ANDRENA GRUNDELI LINSLEY 1938, 2735
ANDRENA INNOMINATA VIERECK 1926, 3833
ANDRENA MARINA VIERECK 1926, 3833
ANDRENA RUBROTINCTA LINSLEY 1938, 2735
ANDRENA SHASTA VIERECK 1926, 3833
ANDRENA SINALOA VIERECK 1926, 3833
ANDRENA SUBMAURA LINSLEY 1938, 2735
ANDRENA VANDUZEEI LINSLEY 1938, 2735
ANEFLOMORPHA AUSTRALIS LINSLEY 1942, 2736
ANEFLOMORPHA ROSALIAE LINSLEY 1942, 2736
ANELAPHUS MICHELBACHERI LINSLEY 1942, 2736
ANELAPHUS SUBMOESTUS LINSLEY 1942, 2736
ANELYTROPSIS, 2922
ANEMONE ADAMSIANA EASTWOOD 1931, 1146
ANEMONE CALIFORNICA EASTWOOD 1896, 1123
ANEMONE OLIGANTHA EASTWOOD 1931, 1146
ANEMONES, 1420, 3663
ANEPSIUS ANGULATUS BLAISDELL 1923, 405
ANEPSIUS CONFLUENS BLAISDELL 1923, 405
ANEPSIUS MINUTUS DOYEN 1987, 1077
ANEPSYRA GRANDICOLLE LINSLEY 1942, 2736
ANGIOSPERMS, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 40, 218, 277, 295, 388, 468, 475, 506, 515, 522, 527, 539, 542, 544, 546, 554, 555, 681, 682, 686, 703, 704, 781, 782, 804, 811, 915, 916, 917, 957, 958, 959, 960, 961, 962, 964, 965, 966, 967, 979, 986, 1041, 1049, 1050, 1120, 1123, 1142, 1143, 1144, 1145, 1146, 1291, 1326, 1517, 1518, 1627, 1635, 1639, 1640, 1947, 1948, 1963, 1964, 1965, 1981, 1997, 2037, 2070, 2233, 2254, 2313, 2321, 2326, 2327, 2389, 2392, 2419, 2427, 2507, 2508, 2530, 2540, 2575, 2576, 2586, 2650, 2651, 2773, 2848, 2889, 2933, 2967, 2975, 3082, 3102, 3167, 3168, 3350, 3556, 3608, 3609, 3661, 3823, 3824, 3852, 3859, 3924, 3926, 3996
ANGUILLIFORMES, 1481
ANGUILLIFORMES: MURAENIDAE, 2871, 2872
ANGUILLIFORMES:OPHICHTHIDAE, 2860, 2861, 2862, 2864, 2874, 2875, 2879
ANICIUS CHAMBERLIN 1925, 718
ANICIUS DOLIUS CHAMBERLIN 1925, 718
ANISACANTHUS ABDITUS BRANDEGEE 1893, 556
ANISANDRUS BUTAMALI (BEESON) DOLE & COGNATO 2010 [COMB. NOV.], 1074
ANISANDRUS URSA (EGGERS) DOLE & COGNATO 2010 [COMB. NOV.], 1074
ANISANDRUS URSINUS (HAGEDORN) DOLE & COGNATO 2010 [COMB. NOV.], 1074
ANISANDRUS URSULUS (EGGERS) DOLE & COGNATO 2010 [COMB. NOV.], 1074
ANISEIA AUREA KELLOGG 1873, 2570
ANISEIA AZUREA KELLOGG 1873, 2571
ANISEMBIA SINI CHAMBERLIN 1923, 714
ANISOPODUS LONGIPES LINSLEY & CHEMSAK 1966, 2739
ANISOTOMA MERKELIANA HORN 1895, 1936
ANNAPHILA AMILCULA EDWARDS 1875, 1288
ANNAPHILA ARVALIS (BEHR IN EDWARDS 1875), 1288
ANNAPHILA DOMINA EDWARDS 1875, 1288
ANNAPHILA GERMANA EDWARDS 1875, 1288
ANNAPHILA LITHOSINA (BEHR IN EDWARDS 1875), 1288
ANNAPHILA SUPERBA EDWARDS 1875, 1288
ANNELIDA, 3512
ANNELIDA:LUMBRICULINA, 1324
ANNELIDA:POLYCHAETA, 1513, 2721, 2722, 3414
ANNIELLA, 3757
ANNUAL REPORT, 496, 632, 633, 640, 792, 847, 848, 849, 891, 892, 921, 922, 1056, 1073, 1294, 1383, 1382, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1429, 1430, 1446, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1696, 1697, 1698, 1699, 1701, 1702, 1712, 1788, 1778, 1779, 1781, 1902, 2577, 3558, 3642, 3643, 3709, 3710, 3711, 3920, 4017
ANODONTA RANDALLI TRASK 1855, 3675, 3693
ANODONTA ROTUNDOVATA TRASK 1855, 3675, 3693
ANODONTA TRIANGULARIS TRASK 1855, 3675, 3693
ANOLIS, 3844, 3845
ANOMALA RAYDOMA SAYLOR 1948, 3360
ANOMALINA COALINGENSIS CUSHMAN & HANNA 1927, 925
ANOMIA MAMILLARIS ANDERSON 1929, 50
ANOMODON CALIFORNICUM LESQUEREUX 1868, 2688
ANOPLIUM INSOLETUM LINSLEY 1942, 2736
ANOPLOCURIUS INCOMPLETUS LINSLEY 1942, 2736
ANOPLOGNATHO DUNNIANUS RIVERS 1888, 3259
ANOPLOGNATHO RIVERS 1888, 3259
ANOPLOPOMA AYRES 1859, 169
ANOPLOPOMA MERLANGUS AYRES 1859, 169, 171
ANOPLURA, 1432, 1434

ANORUS PARVICOLLIS HORN 1894, 1935
ANTARCTIC, 1482, 3860, 3965
ANTENNARIA ARCUATA CRONQUIST 1950, 902
ANTENNARIA NEGLECTA VAR. HOWELLII (GREENE) CRONQUIST 1950 [COMB. NOV.], 902
ANTHIDIUM ANGULATUM COCKERELL 1925, 777
ANTHIDIUM BRACHYURUM COCKERELL 1925, 777
ANTHIDIUM CATALINENSE COCKERELL 1939, 779
ANTHIDIUM DIVISUM NANULUM COCKERELL 1925, 777
ANTHIDIUM DIVISUM ORNATIFRONS COCKERELL 1925, 777
ANTHIDIUM FLAVICAUDUM COCKERELL 1925, 777
ANTHIDIUM FONTIS COCKERELL 1925, 777
ANTHIDIUM FRESNOENSE COCKERELL 1925, 777
ANTHIDIUM HAMATUM COCKERELL 1925, 777
ANTHIDIUM LUCIDUM COCKERELL 1925, 777
ANTHIDIUM PERMACULATUM COCKERELL 1925, 777
ANTHIDIUM PLUMARIUM COCKERELL 1925, 777
ANTHIDIUM PUNCTICAUDUM COCKERELL 1925, 777
ANTHIDIUM SONORENSE COCKERELL 1923, 774
ANTHIDIUM SPINOSUM COCKERELL 1925, 777
ANTHIDIUM XANTHOGNATHUM COCKERELL 1925, 777
ANTHOCEROS SIMULANS HOWE 1934, 1945
ANTHOCEROS VEGETANS HOWE 1934, 1945
ANTHOCOMUS ATRATUS MARSHALL 1951, 2827
ANTHOCOMUS BARRI MARSHALL 1951, 2827
ANTHOCORIS DIMIDIATUS VAN DUZEE 1921, 3800
ANTHOCORIS TRISTIS VAN DUZEE 1921, 3800
ANTHONOMUS APERTUS HALL 1901, 1718
ANTHONOMUS HELIANTHI HALL 1901, 1718
ANTHONOMUS STOLATUS HALL 1901, 1718
ANTHONOMUS TAHOËNSIS HALL 1901, 1718
ANTHOPHORA CATALINAE CLEMENTINA 1939, 779
ANTHOPHORA ESTEBANA COCKERELL 1923, 774
ANTHOPHORA HOLOLEUCA COCKERELL 1923, 774
ANTHOPHORA LEUCOSTOMELLA COCKERELL 1923, 774
ANTHOPHORA NICOLAI COCKERELL 1939, 779
ANTHOPHORA PACHYDONTA COCKERELL 1923, 774
ANTHOPHORA XANTHOCHLORA COCKERELL 1923, 774
ANTHOZOA:ALCYONIIDAE, 3951
ANTHOZOA:GORGONIDAE, 3963
ANTHOZOA:OCTOCORALLIA, 3955
ANTHOZOA:PLEXAURIDAE, 3965
ANTHRAX MACULA COLE 1919, 788
ANTHROPOLOGY, 13, 312, 381, 382, 599, 601, 602, 702, 762, 768, 769, 808, 950, 1006, 1031, 1069, 1325, 1346, 1356, 1379, 1946, 2280, 2284, 2285, 2715, 2823, 2824, 2825, 2828, 2832, 2881, 2893, 2894, 2948, 2986, 3007, 3008, 3047, 3048, 3049, 3080, 3122, 3129, 3146, 3229, 3300, 3365, 3479, 3480, 3509, 3540, 3557, 3594, 3626, 3627, 3662, 3715, 3861, 3864, 3909, 4001
ANTHROPOLOGY (CULTURAL), 2941
ANTIGONA CARIBBEANA ANDERSON 1927, 48
ANTIOPELLA AUREOCINCTA MACFARLAND 1966, 2789
ANTIPALURIA CARIBBEANA ROSS 1987, 3305
ANTIPALURIA MARGINATA ROSS 1987, 3305
ANTIPALURIA PANAMENSIS ROSS 1987, 3305
ANTIPALURIA SILVESTRIS ROSS 1987, 3305
ANTIRRHINUM, 2021, 2108, 2967
ANTIRRHINUM VEXILLO-CALYCULATUM KELLOGG 1855, 2416, 2527
ANTITHAMNION SUBLITTORALE SETCHELL & GARDNER 1937, 3389
ANTS, 428, 621, 1276, 3114, 3890, 3891, 3893
ANURA:BUFONIDAE, 3994
ANURA:HYPEROLIIDAE, 1079, 1083
ANURA:MEGOPHRYIDAE, 3995
ANURA:RANIDAE, 15, 610, 612, 614, 615, 616
ANURA:RHACOPHORIDAE, 3936, 3937, 3938
ANYPHAENA FUTILIS BANKS 1898, 259
ANYPHAENA JOHNSTONI CHAMBERLIN 1924, 717
APANTELES MEXICANUS ASHMEAD 1895, 130
APATOLESTES EISENI TOWNSEND 1895, 3674
APATOLESTES PHILIPI PECHUMAN 1985, 3091
APEMON RUFA VAN DUZEE 1928, 3813
APENES LIMBATA HORN 1895, 1936
APHAENOGASTER CARBONARIA PERGANDE 1894, 3113
APHAENOGASTER JULIANA PERGANDE 1894, 3113
APHAENOGASTER MUTICA PERGANDE 1895, 3114
APHAENOGASTER SONORAE PERGANDE 1893, 3112
APHALARA MERA VAN DUZEE 1923, 3802
APHALARA NUPERA VAN DUZEE 1923, 3802
APHALARA PUNCTELLUS VAN DUZEE 1923, 3802
APHANEMBIA OBSCURA ROSS 2001, 3308
APHANEMBIA ROSS 2001, 3308
APHELANDRA WENDTII DANIEL 1991, 960
APHELOCOMA CALIFORNICA OBSCURA ANTHONY 1889, 80
APHELONEMA GIFFARDI VAN DUZEE 1917, 3795
APHIDAE, 1376
APHILANTHOPS HISPIDUS FOX 1894, 1465
APHIS ALSTROEMERIAE ESSIG 1953, 1375
APHIS JAPONICA ESSIG & KUWANA 1918, 1376
APHIS MARTHAE ESSIG 1953, 1375
APHIS SIPHONELLA ESSIG & KUWANA 1918, 1376
APHIS SOMEI ESSIG & KUWANA 1918, 1376
APHIS SPINOSULA ESSIG & KUWANA 1918, 1376
APHIS THALICTRII ESSIG & KUWANA 1918, 1376
APHODIUS UNGULATUS HALL 1901, 1718
APHOEBANTUS ARGENTIFRONS COLE 1923, 785
APHOEBANTUS BOREALIS COLE 1921, 789
APHOEBANTUS MARGINATUS COLE 1923, 785
APHROSYLUS DIREPTOR WHEELER 1897, 3888

APHROSYLUS GRASSATOR WHEELER 1897, 3888
APHROSYLUS PRAEDATOR WHEELER 1897, 3888
APHYLLON VIOLACEUM EASTWOOD 1900, 1134
APIS, 1355
APIS (CASCAPIS) NEARCTICA ENGEL & HINOJOSA-DIAZ & RASNITSYN 2009, 1355
APIUM, 2139
APLASTUS ARIZONICUS VAN DYKE 1932, 3816
APLASTUS CYLINDRICUS VAN DYKE 1932, 3816
APLASTUS PILOSUS VAN DYKE 1932, 3816
APLOACTINIDAE, 3141
APLOPAPPUS, 2129
APLOPAPPUS BLOOMERI VAR. OPHITIDIS HOWELL 1950, 2122
APLOPAPPUS ILLINITUS EASTWOOD 1931, 1146
APLOPAPPUS JUNCEUS GREENE 1885, 1636
APLOPAPPUS NEVADENSIS KELLOGG 1863, 2510
APLOPAPPUS PEIRSONII (KECK) HOWELL 1950 [STAT. NOV.], 2122
APLOPAPPUS RACEMOSUS VAR. PRATICOLA HOWELL 1950, 2122
APLOPAPPUS TRASKAE EASTWOOD 1931, 1146
APLOPAPPUS VERNICOSUS BRANDEGEE 1889, 524
APLOPAPPUS WHITNEYI VAR. DISCOIDEUS HOWELL 1950, 2122
APOCELLUS NIGER CASEY 1886, 710
APODANTHES MEXICANA BRANDEGEE 1908, 577
APODES:OPHICHTHIDAE, 2854
APODICHTHYS VIRESCENS AYRES 1855, 157, 204
APOGON ASAEDAE SEALE 1935, 3380
APOGON KAUTAMEA GREENFIELD & RANDALL 2004, 1655
APOGON MACULIFERUS GARRETT 1864, 1506
APOGON RUBRIFUSCUS GREENFIELD & RANDALL 2004, 1655
APOGON SEMINIGRACAUDUS GREENFIELD 2007, 1648
APOIDEA, 2911
APONOGETON, 3324
APOREMBIA ROSS 2003, 3310
APOREMBIA STURMI ROSS 2003, 3310
APOREMBIINAE ROSS 2003, 3310
APRICARDIA ASYMMETRICA PALMER 1928, 3050
APRICARDIA CHAVESI PALMER 1928, 3050
APRISTUS LATICOLLIS HORN 1894, 1935
APRISTUS SUBCYANEUS HORN 1894, 1935
AQUARIA:DISEASES, 1048
AQUARIA:WATER TREATMENT, 1048
AQUATIC BIOLOGY, 2865
AQUILEGIA, 3971
AQUILEGIA BARNEBYI MUNZ 1949, 2977
AQUILEGIA CAERULEA VAR. CALCAREA JONES 1895, 2326
AQUILEGIA CAERULEA VAR. DAILEYAE EASTWOOD 1897, 1124
AQUILEGIA COLUMBINE JONES 1893, 2323
AQUILEGIA ECALCARATA EASTWOOD 1891, 1111, 1120
AQUILEGIA EMARGINATA EASTWOOD 1937, 1196
AQUILEGIA FONTINALIS HOWELL 1940, 2023
AQUILEGIA FORMOSA FORMA ANOMALA HOWELL 1940, 2023
AQUILEGIA FORMOSA VAR. CAELIFAX (PAYSON) MUNZ 1938 [COMB. NOV.], 2968
AQUILEGIA MICRANATHA EASTWOOD 1895, 1120
AQUILEGIA MICRANTHA VAR. MANCOSANA EASTWOOD 1897, 1124
AQUILEGIA MOHAVENSIS MUNZ 1938, 2968
ARABACTUS PALLIDICEPS CASEY 1886, 710
ARABIA, 1713, 3161
ARABIAN PENINSULA, 3054, 3999
ARABIDOPSIS, 2215
ARACHNIDA, 68, 69, 260, 261, 718, 719, 923, 926, 1405, 1406, 1673, 1674, 1675, 1676, 2919, 2965, 3267, 3857, 4021
ARACHNIDA:MICROCHARMIDAE, 2770
ARACHNIDA:PSEUDOSCORPIONIDA, 2677
ARACHNIDS, 1672, 2965, 3725
ARACHNOIDISCUS ATLANTICUS HANNA & HENDEY & BRIGGER 1976, 1749
ARACHNOIDISCUS MAGISTER HANNA & HENDEY & BRIGGER 1976, 1749
ARACHNOIDISCUS MAGNIFICUS HANNA & HENDEY & BRIGGER 1976, 1749
ARACHNOIDISCUS MANNI HANNA & GRANT 1926, 1748
ARACHNOIDISCUS PRIMORDIALIS HANNA & HENDEY & BRIGGER 1976, 1749
ARACHNOIDISCUS SOKOLI HANNA & HENDEY & BRIGGER 1976, 1749
ARACHNOIDISCUS STICTODISCOIDES HANNA & HENDEY & BRIGGER 1976, 1749
ARADUS APICALIS VAN DUZEE 1920, 3797
ARADUS BLAISDELLI VAN DUZEE 1920, 3797
ARADUS DEPICTUS VAN DUZEE 1917, 3795
ARADUS EVERMANNI VAN DUZEE 1920, 3797
ARADUS ORBICULUS VAN DUZEE 1920, 3797
ARADUS PANNOSUS VAN DUZEE 1920, 3797
ARADUS PARSHLEYI VAN DUZEE 1920, 3797
ARADUS SNOWI VAN DUZEE 1920, 3797
ARADUS TAYLORI VAN DUZEE 1920, 3797
ARADUS VADOSUS VAN DUZEE 1920, 3797
ARAENEAE:SALTICIDAE, 926
ARAEOSCHIZUS ANTENNATUS BLAISDELL 1943, 410
ARAEOSCHIZUS LIMBATUS BLAISDELL 1943, 410
ARAGOTITE, 1100
ARALIA ARIZONICA EASTWOOD 1931, 1146
ARALIA SCOPULORUM BRANDEGEE 1889, 524
ARANEAE:AMAUROBIIDAE, 3724
ARANEAE:ENTELEGYNAE, 1674, 1675
ARANEAE:SCYTODIDAE, 2919

ARANEAE:SPARASSIDAE, 3406
ARANEAE:SYNAPHRIDAE, 2920
ARANEAE: ZOROCRATIDAE, 1672
ARBUTUS, 2895
ARCA PATRIARCHA ANDERSON 1929, 50
ARCA SEYMOURENSIS DALL & OCHSNER 1928, 954
ARCA USIACURII ANDERSON 1929, 50
ARCEUTHOBIUM, 1801
ARCHAEOLOGY, 382, 424, 768, 941, 1880, 2825, 3080, 3218, 3300, 3529, 3662, 3715, 3864
ARCHEMBIA ARIDA ROSS 2001, 3308
ARCHEMBIA BAHIA ROSS 2001, 3308
ARCHEMBIA BOLIVIANA ROSS 2001, 3308
ARCHEMBIA PARANAE ROSS 2001, 3308
ARCHEMBIA PERUVIANA ROSS 2001, 3308
ARCHOLAEMUS BLAX KORRINGA 1970, 2633
ARCHOLAEMUS KORRINGA 1970, 2633
ARCOFACIELLA FENNAH 1956, 1423
ARCOFACIELLA VERRUCOSA FENNAH 1956, 1423
ARCTIC OCEAN, 70, 603, 671, 946
ARCTIC REGION, 1740
ARCTOCEPHALUS GALAPAGOENSIS HELLER 1904, 1819
ARCTOSTAPHYLOS, 4, 1176, 1178, 1260, 1497, 1498, 1500, 1959, 1985, 2156, 3292
ARCTOSTAPHYLOS ACUTIFOLIA EASTWOOD 1942, 1235
ARCTOSTAPHYLOS AUSTRALIS EASTWOOD 1944, 1247
ARCTOSTAPHYLOS BRACTEOSA [ABRAMS 1934; COMB. NOV.], 4
ARCTOSTAPHYLOS CAMPBELLAE EASTWOOD 1933, 1172
ARCTOSTAPHYLOS CANDIDISSIMA EASTWOOD 1942, 1235
ARCTOSTAPHYLOS CANESCENS EASTWOOD 1897, 1124
ARCTOSTAPHYLOS CONFERTIFLORA EASTWOOD 1934, 1178
ARCTOSTAPHYLOS CRUSTACEA EASTWOOD 1933, 1172
ARCTOSTAPHYLOS CRUZENSIS ROOF 1961, 3293
ARCTOSTAPHYLOS CUSHINGIANA EASTWOOD 1933, 1172
ARCTOSTAPHYLOS CUSHINGIANA FMA. REPENS HOWELL 1945, 2072
ARCTOSTAPHYLOS DENSIFLORA BAKER 1932, 241
ARCTOSTAPHYLOS EDMUNDSII HOWELL 1952, 2136
ARCTOSTAPHYLOS EDMUNDSII VAR. PARVIFOLIA ROOF 1961, 3292
ARCTOSTAPHYLOS GLANDULOSA EASTWOOD 1897, 1124
ARCTOSTAPHYLOS GLAUCA VAR. PUBERULA HOWELL 1938, 1998
ARCTOSTAPHYLOS HELLERI EASTWOOD 1945, 1252
ARCTOSTAPHYLOS HOOVERI WELLS 1961, 3875
ARCTOSTAPHYLOS HOWELLII EASTWOOD 1934, 1178
ARCTOSTAPHYLOS IMBRICATA EASTWOOD 1931, 1146
ARCTOSTAPHYLOS INSULARIS VAR. PUBESCENS EASTWOOD 1933, 1170
ARCTOSTAPHYLOS JEPSONI EASTWOOD 1934, 1178
ARCTOSTAPHYLOS LAEVIGATA EASTWOOD 1933, 1172
ARCTOSTAPHYLOS LAXIFLORA EASTWOOD 1945, 1252
ARCTOSTAPHYLOS LUCIANA WELLS 1965, 3876
ARCTOSTAPHYLOS MONTANA EASTWOOD 1897, 1124
ARCTOSTAPHYLOS MONTEREYENSIS HOOVER 1964, 1928
ARCTOSTAPHYLOS NITENS EASTWOOD 1945, 1252
ARCTOSTAPHYLOS OBISPOENSIS EASTWOOD 1937, 1196
ARCTOSTAPHYLOS PACIFICA ROOF 1961, 3293
ARCTOSTAPHYLOS PALLIDA EASTWOOD 1933, 1172
ARCTOSTAPHYLOS PECHOENSIS VAR. CRUZENSIS (ROOF) GANKIN 1966 [COMB. NOV.], 1498
ARCTOSTAPHYLOS PECHOENSIS VAR. VIRIDISSIMA EASTWOOD 1933, 1170
ARCTOSTAPHYLOS REGISMONTANA EASTWOOD 1933, 1172
ARCTOSTAPHYLOS ROOFII GANKIN 1966, 1499
ARCTOSTAPHYLOS SETOSISSIMA EASTWOOD 1933, 1172
ARCTOSTAPHYLOS SONOMENSIS EASTWOOD 1933, 1172
ARCTOSTAPHYLOS SUBCORDATA EASTWOOD 1933, 1170
ARCTOSTAPHYLOS TRACYI EASTWOOD 1933, 1172
ARCTOSTAPHYLOS UVA-URSI VAR. FENDLERIANA (KLOTZSCH.) EASTWOOD 1946 [COMB. NOV.], 1260
ARCTOSTAPHYLOS VEATCHII KELLOGG 1859, 2466
ARCTOSTAPHYLOS ZACAENSIS EASTWOOD 1933, 1172
ARDISIA SCOPULINA BRANDEGEE 1905, 573
ARENARIA EMARGINATA (SHARSMITH) HOOVER 1966 [COMB. NOV.], 1934
ARENARIA KINGII JONES 1895, 2326
ARENARIA KUSCHEI EASTWOOD 1931, 1146
ARENARIA NUTTALLII VAR. GRACILIPES JONES 1895, 2326
ARENARIA ORESBIA GREENMAN 1904, 1660
ARENARIA ROSEI MAGUIRE & BARNEBY 1956, 2798
ARENARIA STENOMERES EASTWOOD 1944, 1251
ARGEMONE CORYMBOSA GREENE 1886, 1639, 1640
ARGENTINA, 872, 1375, 1471, 2261, 3079

ARGIA AGRIOIDES SELYS IN CALVERT 1895, 674
ARGIA HARKNESSI CALVERT 1899, 675
ARGILOPHILUS EISEN 1893, 1335
ARGILOPHILUS HYALINUS EISEN 1900, 1343
ARGILOPHILUS MARMORATUS PAPILLIFER EISEN 1893, 1335
ARGITHAMNIA CALIFORNICA BRANDEGEE 1908, 574
ARGITHAMNIA DISCOLOR BRANDEGEE 1908, 576
ARGITHAMNIA GRACILIS BRANDEGEE 1908, 576
ARGOBUCCINUM DILLERI ANDERSON & MARTIN 1914, 53
ARGOCERCEMBIA GUYANA ROSS 2001, 3308
ARGOCERCEMBIA ROSS 2001, 3308
ARGOPORIS AEQUALIS BLAISDELL 1923, 405
ARGOPORIS APICALIS BLAISDELL 1943, 410
ARGOPORIS EBENINA HORN 1894, 1935
ARGOPORIS IMPRESSA BLAISDELL 1925, 408
ARGOPORIS INCONSTANS HORN 1894, 1935
ARGOPORIS LABIALIS BLAISDELL 1923, 405
ARGOPORIS LONGIPES BLAISDELL 1923, 405
ARGYNNIS ADIPPE BEHR 1862, 340
ARGYNNIS LETO BEHR 1862, 340
ARGYNNIS LILLIANA EDWARDS 1877, 1301
ARGYNNIS MONTICOLA BEHR 1863, 341
ARGYNNIS MONTIVAGA BEHR 1863, 341
ARGYREIOSUS PACIFICUS LOCKINGTON 1877, 2757
ARGYTHAMNIA BRANDEGEI MILLSPAUGH 1889, 2932
ARGYTHAMNIA SERICOPHYLLA VAR. VERRUCOSEMINA MILLSPAUGH 1889, 2932
ARGYTHAMNIA SERRATA VAR. MAGDALENAE MILLSPAUGH 1889, 2932
ARIADNA PHILOSOPHA CHAMBERLIN 1924, 717
ARIADNA PRAGMATICA CHAMBERLIN 1924, 717
ARIADNA SCHOLASTICA CHAMBERLIN 1924, 717
ARIADNE MEXICANA BANKS 1898, 259
ARICIA BICOLORATA MALLOCH 1919, 788
ARICIA OREGONENSIS MALLOCH 1919, 788
ARISTIDA TENUIFOLIA HITCHCOCK 1935, 1884
ARISTIDA VAGINATA HITCHCOCK 1935, 1884
ARISTOCHROA ABRUPTA KAVANAUGH & LIANG 2003, 2360
ARISTOCHROA EXOCHOPLEURAE KAVANAUGH & LIANG 2006, 2361
ARISTOCHROA SPLENDIDA KAVANAUGH & LIANG 2006, 2361
ARISTOCHROA YUAE KAVANAUGH & LIANG 2006, 2361
ARISTOTELIA PULVERA BRAUN 1923, 579
ARIZONA, 108, 109, 274, 275, 276, 278, 285, 287, 302, 303, 388, 456, 711, 894, 905, 983, 988, 1196, 1200, 1619, 1620, 1622, 1629, 1723, 1794, 1849, 1882, 1938, 2035, 2053, 2061, 2080, 2104, 2111, 2115, 2206, 2302, 2303, 2319, 2327, 2366, 2374, 2381, 2388, 2835, 2836, 2944, 2972, 2974, 2976, 3004, 3019, 3078, 3098, 3127, 3151, 3164, 3196, 3219, 3291, 3334, 3335, 3344, 3370, 3399, 3422, 3494, 3498, 3584, 3619, 3646, 3655, 3671, 3674, 3751, 3753, 3765, 3776, 3782, 3847, 3904, 3905
ARKANSAS, 1406, 3841
ARMADILLONISCUS CORONACAPITALIS MENZIES 1950, 2896
ARMENIA, 3059
ARNILLO AURICILLA JORDAN & EVERMANN & TANAKA 1927, 2339
ARNILLO JORDAN & EVERMANN & TANAKA 1927, 2339
ARPEDIUM BERINGENSIS VAN DYKE 1921, 1759
ARTEDIUS ASPERULUS STARKS 1896, 3510
ARTEMISIA, 2392
ARTEMISIA CAMPESTRIS VAR. PURSHII (HOOK.) CRONQUIST 1950 [COMB. NOV.], 902
ARTEMISIA CAMPESTRIS VAR. WORMSKIOLDII (BESS.) CRONQUIST 1950 [COMB. NOV.], 902
ARTHROPODA, 3512
ARTHROPODS, 2261, 3725, 3974, 3975, 3977, 3978
ARTOSTAPHYLOS MANZANITA PARRY 1887, 3082
ARTOSTAPHYLOS PRINGLEI PARRY 1887, 3082
ARTOSTAPHYLOS STANFORDIANA PARRY 1887, 3082
ARTOSTAPHYLOS VISCIDA PARRY 1887, 3082
ASARCENCHELYS LONGIMANUS MCCOSKER 1985, 2859
ASARCENCHELYS MCCOSKER 1985, 2859
ASCELIAS LEPTOPUS JOHNSTON 1924, 2313
ASCENSION ISLAND, 2861
ASCIDIANS, 257, 3252, 3255
ASCLEPIAS ACORNUTUM KELLOGG 1855, 2429, 2539
ASCLEPIAS EASTWOODIANA BARNEBY 1945, 280
ASCLEPIAS ENGELMANNIANA VAR. RUSBYI (VAIL) KEARNEY 1949 [COMB. NOV.], 2369
ASCLEPIAS GIFFORDI EASTWOOD 1931, 1146
ASCLEPIAS KOTOLO EASTWOOD 1900, 1134
ASCLEPIAS KOTOLO EASTWOOD 1901, 1135
ASCLEPIAS LABRIFORMIS JONES 1895, 2326
ASCLEPIAS LONGICORNIS KELLOGG 1855, 2446, 2557
ASCLEPIAS PURPUSII BRANDEGEE 1908, 577
ASCLEPIODORA INSIGNIS BRANDEGEE 1908, 577
ASCOCHYTA FREMONTIAE HARKNESS 1887, 1777
ASCOMYCETES, 486
ASCORHIZA, 3285
ASELLUS TOMALENSIS HARFORD 1877, 1767
ASEMOBIUS CAELATUS HORN 1895, 1936
ASEMOBIUS HORN 1895, 1936
ASHMEADIELLA CRASSA COCKERELL 1924, 775
ASHMEADIELLA DIGITICAUDA COCKERELL 1924, 775
ASHMEADIELLA HAEMATOPODA COCKERELL 1924, 775
ASHMEADIELLA LEUCOZONA COCKERELL 1924,

775
ASHMEADIELLA MICROSOMA COCKERELL 1924, 775
ASHMEADIELLA RHODOGNATHA COCKERELL 1924, 775
ASHMEADIELLA SUBANGUSTA COCKERELL 1924, 775
ASIA, 313, 748, 784, 1376, 1400, 1423, 1484, 1661, 2336, 2349, 2709, 2939, 3006, 3031, 3170, 3274, 3277, 3283, 3312, 3356, 3394, 3418, 3419, 3425, 3429, 3437, 3777, 3863, 3943, 4019, 4034
ASIDA CATALINAE BLASIDELL 1923, 405
ASIDA DENSICOLLIS HORN 1894, 1935
ASIDA DIVARICATA BLAISDELL 1923, 405
ASIDA EMBAPHIONIDES HORN 1894, 1935
ASIDA FLACCIDA HORN 1896, 1937
ASIDA GRANICOLLIS BLAISDELL 1923, 405
ASIDA IMPETRATA HORN 1894, 1935
ASIDA PARALLELA TERRICOLA BLAISDELL 1923, 405
ASIDA PLANATA HORN 1894, 1935
ASIDA SUBVITTATA HORN 1894, 1935
ASIDA WICKHAMI HORN 1894, 1935
ASMOCRANUS QUADRIZONATUS PEARSON 1937, 3088
ASPARAGOPSIS SANFORDIANA F. AMPLISSIMA SETCHELL & GARDNER 1924, 3387
ASPERUGO, 1814
ASPIDIOTUS (CHRYSOMPHALUS) KELLOGGI KUWANA 1902, 2644
ASPIDIOTUS CRYPTOMERIAE KUWANA 1902, 2644
ASPIDIOTUS JORDANI KUWANA 1902, 2644
ASPIDONECTES CALIFORNIANA HARKNESS 1889, 3261
ASPLENIUM, 502
ASPLENIUM BREEDLOVEI SMITH 1975, 3453
ASPLENIUM MUNCHII SMITH 1975, 3453
ASPLENIUM OLIVACEUM SMITH 1975, 3453
ASPLENIUM SOLEIROLIOIDES SMITH 1975, 3453
ASTAGALUS PICTUS VAR ANGUSTUS JONES 1893, 2322
ASTAGALUS PRORIFERUS JONES 1893, 2323
ASTAGALUS SABULOSUS JONES 1891, 2320
ASTARTE BRANNERI ARNOLD 1903, 126
ASTARTE FLUCTUATA CARPENTER 1866, 700
ASTER, 901, 2165
ASTER ALPIGENUS SUBSP. HAYDENI (PORTER) CRONQUIST 1948 [COMB. NOV.], 901
ASTER CANESCENS VAR. ARISTATUS EASTWOOD 1896, 1122
ASTER DURBROWI EASTWOOD 1902, 1141
ASTER ELATUS (GREENE) CRONQUIST 1948 [COMB. NOV.], 901
ASTER GLACUS VAR. WASATCHENSIS JONES 1895, 2326
ASTER HESPERIUS VAR. HESPERIUS CRONQUIST 1950 [NOM. NOV.], 902
ASTER HESPERIUS VAR. LAETEVIRENS (GREENE) CRONQUIST 1950 [COMB. NOV.], 902
ASTEROIDIA, 713
ASTEROMPHALUS DUBIUS HANNA & GRANT 1926, 1748
ASTERONOTUS SPONGICOLUS GOSLINER & VALDES 2002, 1617
ASTERONUTUS MIMETICUS GOSLINER & VALDES 2002, 1617
ASTER PANSUS (BLAKE) CRONQUIST 1950 [COMB. NOV.], 902
ASTER PEIRSONII SHARSMITH 1947, 3390
ASTER TENUE KELLOGG 1877, 2582
ASTER THERMALIS JONES 1895, 2326
ASTER TORTIFOLIUS VAR. FUNEREUS JONES 1895, 2326
ASTER VENUSTUS JONES 1891, 2320
ASTIPHROMMA MEXICANUS ASHMEAD 1894, 129
ASTRAEA (UVANILLA) RUPICOLLINA STOHLER 1959, 3577
ASTRAGAGLUS PLUMBEUS BARNEBY 1949, 289
ASTRAGALUS, 276, 277, 278, 281, 282, 283, 285, 290, 301, 897, 2099, 2365, 2958, 3243, 3654
ASTRAGALUS ALBENS GREENE 1885, 1635
ASTRAGALUS AMPHIOXYS VAR. MODESTUS BARNEBY 1960, 302
ASTRAGALUS ANEMOPHILUS GREENE 1885, 1636
ASTRAGALUS ANISUS JONES 1893, 2322
ASTRAGALUS ARIETINUS JONES 1895, 2326
ASTRAGALUS ARIETINUS VAR. STIPULARIS JONES 1895, 2326
ASTRAGALUS ARRECTUS JONES 1895, 2326
ASTRAGALUS ARRECTUS VAR. SCAPHOIDES JONES 1895, 2326
ASTRAGALUS ASCEPIADOIDES JONES 1891, 2320
ASTRAGALUS ATRATUS VAR. MENSANUS JONES 1895, 2326
ASTRAGALUS BECKWITHII VAR. WEISERENSIS JONES 1900, 2328
ASTRAGALUS BERNARDINUS JONES 1895, 2326
ASTRAGALUS BIGELOVII VAR. MOGOLLONICUS (GREENE) BARNEBY 1944 [COMB. NOV.], 276
ASTRAGALUS BIGELOVII VAR. TYPICUS BARNEBY 1944, 276
ASTRAGALUS BISULCATUS VAR. NEVADENSIS (JONES) BARNEBY 1954 [STAT. NOV.], 297
ASTRAGALUS BREWERI GAY 1864, 1626
ASTRAGALUS BRYANTII BARNEBY 1944, 277
ASTRAGALUS CALIFORNICUS GREENE 1885, 1635
ASTRAGALUS CALLITHRIX BARNEBY 1942, 270
ASTRAGALUS CALYCOSUS VAR. MANCUS (TYDB.) BARNEBY 1954 [STAT. NOV.], 297
ASTRAGALUS CAMPTOPUS BARNEBY 1946, 281
ASTRAGALUS CANADENSIS VAR. BREVIDENS (GRAND.) BARNEBY 1946 [COMB. NOV.], 281

ASTRAGALUS CANDICANS GREENE 1885, 1635
ASTRAGALUS CANOVIRENS (RYDB.) BARNEBY 1944 [COMB. NOV.], 276
ASTRAGALUS CARMINIS BARNEBY 1953, 296
ASTRAGALUS CHAMAELEUCE VAR. PANGUICENSIS JONES 1895, 2326
ASTRAGALUS CHAMAEMENISCUS BARNEBY 1942, 270
ASTRAGALUS CHLOÖDEA BARNEBY 1947, 283
ASTRAGALUS CICADAE JONES 1893, 2322
ASTRAGALUS CICADAE VAR. LACCOLITICUS JONES 1895, 2326
ASTRAGALUS COCCINEUS BRANDEGEE 1891, 546
ASTRAGALUS COLTONI JONES 1891, 2320
ASTRAGALUS CONJUNCTUS VAR. OXYTHROPIDOIDES JONES 1895, 2326
ASTRAGALUS CONVALLARINUS JONES 1895, 2326
ASTRAGALUS CONVALLARIUS VAR. FOLIOLATUS BARNEBY 1947, 285
ASTRAGALUS CONVALLARIUS VAR. SCOPULORUM BARNEBY 1947, 285
ASTRAGALUS CONVALLARIUS VAR. TYPICUS BARNEBY 1947 [NOM. NOV.], 285
ASTRAGALUS CONVALLARIUS VAR. XIPHOIDES BARNEBY 1947, 285
ASTRAGALUS CREMNOPHYLAX BARNEBY 1948, 287
ASTRAGALUS CURTIPES GRAY 1864, 1626
ASTRAGALUS CYMBOIDES JONES 1895, 2326
ASTRAGALUS DECUMBENS VAR. CRISPATUS (JONES) CRONQUISH & BARNEBY 1947 [COMB. NOV.], 285
ASTRAGALUS DESPERATUS JONES 1891, 2320
ASTRAGALUS DESPERATUS VAR. CONSPECTUS BARNEBY 1948, 287
ASTRAGALUS DETERIOR (BARNEBY) BARNEBY 1953 [STAT. NOV.], 296
ASTRAGALUS DIDYMOCARPUS SUBSP. MILESIANUS (RYDB.) HOOVER 1966 [COM. NOV.], 1934
ASTRAGALUS DODGIANUS JONES 1893, 2321
ASTRAGALUS DOUGLASII VAR. GLABERRIMUS JONES 1895, 2326
ASTRAGALUS FASTIDIOSUS GREENE 1885, 1636
ASTRAGALUS FLEXUOSUS VAR. DIEHLII (JONES) BARNEBY 1944 [COMB. NOV.], 276
ASTRAGALUS FLEXUOSUS VAR. GREENEI (GRAY) BARNEBY 1960 [COMB. NOV.], 302
ASTRAGALUS FLEXUOSUS VAR. SIERRAE-BLANCAE (RYDB.) BARNEBY 1944 [COMB. NOV.], 276
ASTRAGALUS FRANCISQUITENSIS JONES 1895, 2326
ASTRAGALUS FUCATUS BARNEBY 1960, 302
ASTRAGALUS GAMBELLIANUS VAR. ELMERI (GREENE) HOWELL 1948 [STAT. NOV.], 2100
ASTRAGALUS GIBBSII KELLOGG 1862, 2501
ASTRAGALUS GRALLATOR WATSON 1892, 3865
ASTRAGALUS HALLII VAR. FALLAX (WATS.) BARNEBY 1960 [COMB. NOV.], 302
ASTRAGALUS HARBINSONII BARNEBY 1953, 296
ASTRAGALUS HORNII VAR. MINUTIFLORUS JONES 1895, 2326
ASTRAGALUS HOSACKLE GREENE 1885, 1635
ASTRAGALUS HUMISTRATUS VAR. CRISPULUS BARNEBY 1944, 276
ASTRAGALUS HUMISTRATUS VAR. TENERRIMUS JONES 1895, 2326
ASTRAGALUS HYALINUS JONES 1895, 2326
ASTRAGALUS HYPGLOTTIS KELLOGG 1861, 2491
ASTRAGALUS INTERMEDIUS JONES 1895, 2326
ASTRAGALUS INVERSUS JONES 1893, 2323
ASTRAGALUS IOCHROUS BARNEBY 1944 [NOM. NOV.], 276
ASTRAGALUS IODANTHUS JONES 1895, 2326
ASTRAGALUS IODANTHUS VAR. DIAPHANOIDEA BARNEBY 1944, 276
ASTRAGALUS IODANTHUS VAR. TYPICUS BARNEBY 1944 [NOM. NOV.], 276
ASTRAGALUS IRAPENSIS JONES 1893, 2321
ASTRAGALUS JAEGERIANUS MUNZ 1941, 2973
ASTRAGALUS JESSIAE PECK 1945, 3092
ASTRAGALUS JOHANNIS-HOWELLII BARNEBY 1957, 299
ASTRAGALUS JULIANUS JONES 1895, 2326
ASTRAGALUS KENTROPHYTA VAR. DANAUS (BARNEBY) BARNEBY 1951 [COMB. NOV.], 293
ASTRAGALUS KENTROPHYTA VAR. IMPLEXUS (CANBY EX PORT. & COULT.) BARNEBY 1951 [COMB. NOV.], 293
ASTRAGALUS KENTROPHYTA VAR. JESSIAE (PECK) BARNEBY 1951 [COMB. NOV.], 293
ASTRAGALUS KENTROPHYTA VAR. NEOMEXICANUS (BARNEBY) BARNEBY 1951 [COMB. NOV.], 293
ASTRAGALUS LAYNEE GREENE 1885, 1635
ASTRAGALUS LEIBERGI JONES 1895, 2326
ASTRAGALUS LENTIGINOSUS TEHATCHAPIENSIS (RYDB.) BARNEBY 1945 [COMB. NOV.], 278
ASTRAGALUS LENTIGINOSUS VAR. ANTONIUS BARNEBY 1945, 278
ASTRAGALUS LENTIGINOSUS VAR. ARANEOSUS (SHELD.) BARNEBY 1945 [COMB. NOV.], 278
ASTRAGALUS LENTIGINOSUS VAR. AUSTRALIS BARNEBY 1945, 278
ASTRAGALUS LENTIGINOSUS VAR. CHARLESTONENSIS (CLOKEY) BARNEBY 1945 [COMB. NOV.], 278
ASTRAGALUS LENTIGINOSUS VAR. CHARTACEUS JONES 1895, 2326
ASTRAGALUS LENTIGINOSUS VAR. KENNEDYI (RYDB.) BARNEBY 1945 [COMB. NOV.], 278
ASTRAGALUS LENTIGINOSUS VAR. KERNENSIS (JEPS.) BARNEBY 1945 [COMB. NOV.], 278

ASTRAGALUS LENTIGINOSUS VAR. MACROLOBUS (RYDB.) BARNEBY 1945 [COMB. NOV.], 278
ASTRAGALUS LENTIGINOSUS VAR. MARICOPAE BARNEBY 1945, 278
ASTRAGALUS LENTIGINOSUS VAR. MICANS BARNEBY 1956, 298
ASTRAGALUS LENTIGINOSUS VAR. NIGRICALYCIS JONES 1895, 2327
ASTRAGALUS LENTIGINOSUS VAR. OROPEDII BARNEBY 1945, 278
ASTRAGALUS LENTIGINOSUS VAR. SALINUS (HOWELL) BARNEBY 1945 [COMB. NOV.], 278
ASTRAGALUS LENTIGINOSUS VAR. SESQUIMETRALIS (RYDB.) BARNEBY 1945 [COMB. NOV.], 278
ASTRAGALUS LENTIGINOSUS VAR. STRAMINEUS (RYDB.) BARNEBY 1945 [COMB. NOV.], 278
ASTRAGALUS LENTIGINOSUS VAR. TOYABENSIS BARNEBY 1945, 278
ASTRAGALUS LENTIGINOSUS VAR. TREMULETORUM BARNEBY 1945, 278
ASTRAGALUS LENTIGINOSUS VAR. TYPICUS BARNEBY 1945 [NOM. NOV.], 278
ASTRAGALUS LENTIGINOSUS VAR. URSINUS (GRAY) BARNEBY 1945 [COMB. NOV.], 278
ASTRAGALUS LENTIGINOSUS VAR. VARIABILIS BARNEBY 1945, 278
ASTRAGALUS LENTIGINOSUS VAR. VITREUS BARNEBY 1945, 278
ASTRAGALUS LENTIGINOSUS VAR. WILSONII (GREENE) BARNEBY 1945 [COMB. NOV.], 278
ASTRAGALUS LIMNOCHARIS BARNEBY 1946, 281
ASTRAGALUS MARCUSJONESII MUNZ 1941 [NOM. NOV.], 2973
ASTRAGALUS MEGACARPUS VAR. CAULESCENS JONES 1895, 2326
ASTRAGALUS METANUS JONES 1895, 2326
ASTRAGALUS MICROMERIUS BARNEBY 1948, 287
ASTRAGALUS MISERI VAR. TENUIFOLIUS (NUTT.) BARNEBY 1954 [STAT. NOV.], 297
ASTRAGALUS MISER VAR. CRISPATUS (JONES) CRONQUIST 1953 [COMB. NOV.], 903
ASTRAGALUS MISER VAR. DECUMBENS (NUTT.) CRONQUIST 1953 [COMB. NOV.], 903
ASTRAGALUS MISER VAR. DECURRENS (RYDB.) CRONQUIST 1953 [COMB. NOV.], 903
ASTRAGALUS MISER VAR. OBLONGIFOLIUS (RYDB.) CRONQUIST 1953 [COMB. NOV.], 903
ASTRAGALUS MITOPHYLLUS KEARNEY 1945 [NOM. NOV.], 2364
ASTRAGALUS MOENCOPPENSIS JONES 1891, 2319
ASTRAGALUS MONOENSIS BARNEBY 1944, 276
ASTRAGALUS MONUMENTALIS BARNEBY 1953, 296
ASTRAGALUS MUNZII WHEELER 1939 [NOM. NOV.], 3886
ASTRAGALUS MUSIMONUM BARNEBY 1944, 277
ASTRAGALUS MUSINIENSIS JONES 1895, 2326
ASTRAGALUS NATURITENSIS VAR. DETERIOR BARNEBY 1948, 287
ASTRAGALUS NATURITENSIS VAR. TYPICUS BARNEBY 1948 [NOM. NOV.], 287
ASTRAGALUS NEWBERRYI VAR. CASTOREUS JONES 1895, 2326
ASTRAGALUS NIDULARIUS BARNEBY 1956, 298
ASTRAGALUS NIVEUS (RYDB.) BARNEBY 1944 [COMB. NOV.], 276
ASTRAGALUS NUTTALLIANUS VAR. IMPERFECTUS (RHDB.) BARNEBY [COMB. NOV.], 270
ASTRAGALUS NUTTALLIANUS VAR. PILIFERUS BARNEBY 1942, 270
ASTRAGALUS NYENSIS BARNEBY 1954 [NOM./STAT. NOV.], 297
ASTRAGALUS ONICIFORMIS BARNEBY 1957, 299
ASTRAGALUS OOPHORUS VAR. CLOKEYANUS BARNEBY 1954, 297
ASTRAGALUS OOPHORUS VAR. LONCHOCALYX BARNEBY 1954, 297
ASTRAGALUS OPHIOGENES BARNEBY 1946, 281
ASTRAGALUS OXYPHYSUS GRAY 1864, 1626
ASTRAGALUS PACHYPUS GREENE 1885, 1635
ASTRAGALUS PALANS JONES 1893, 2322
ASTRAGALUS PAYSONII (RYDB.) BARNEBY 1944 [COMB. NOV.], 276
ASTRAGALUS PEOBODIANUS JONES 1893, 2321
ASTRAGALUS PEPHRAGMENUS JONES 1893, 2323
ASTRAGALUS PICTIFORMIS BARNEBY 1956, 298
ASTRAGALUS PLATYCARPUS VAR. MONTEZUMAE BARNEBY 1944, 276
ASTRAGALUS PLATYCARPUS VAR. TYPICUS BARNEBY 1944, 276
ASTRAGALUS PRAELONGUS VAR. LONCHOPS BARNEBY 1960, 302
ASTRAGALUS PREUSSII VAR. LATUS JONES 1893, 2322
ASTRAGALUS PREUSSII VAR. SULCATUS JONES 1893, 2322
ASTRAGALUS PRUNIFORMIS JONES 1895, 2326
ASTRAGALUS PSEUDIODANTHUS BARNEBY 1942, 270
ASTRAGALUS PURSHII VAR. CONCINNUS BARNEBY 1946, 281
ASTRAGALUS RACEMOSUS VAR. BREVISETUS JONES 1895, 2326
ASTRAGALUS RECURVUS GREENE 1885, 1635
ASTRAGALUS REMOTUS (JONES) BARNEBY 1944 [COMB. NOV.], 276
ASTRAGALUS REMULCUS JONES 1895, 2326
ASTRAGALUS REVENTOIDES JONES 1895, 2326
ASTRAGALUS RIPLEYI BARNEBY 1952, 294
ASTRAGALUS RUSBYI GREENE 1884, 1633
ASTRAGALUS RUSBYI VAR. LONGISSIMUS JONES

1895, 2326
ASTRAGALUS SAURINUS BARNEBY 1956, 298
ASTRAGALUS SEATONI JONES 1895, 2326
ASTRAGALUS SERENOI VAR. SORDESCENS BARNEBY 1954, 297
ASTRAGALUS SERPENS JONES 1895, 2326
ASTRAGALUS SHOCKLEYI JONES 1895, 2326
ASTRAGALUS SILERANUS JONES 1891, 2320
ASTRAGALUS SILICEUS BARNEBY 1956, 298
ASTRAGALUS SILVERANUS VAR. CARIACUS JONES 1895, 2326
ASTRAGALUS SISKIYOUENSIS (RYBD.) THOMPSON 1936 [COMB. NOV.], 3654
ASTRAGALUS SOLITARIUS PECK 1945, 3092
ASTRAGALUS SOPHOROIDES JONES 1891, 2319
ASTRAGALUS SPATULATUS VAR. UNIFLORUS (RYDB.) BARNEBY 1947 [STAT. NOV.], 283
ASTRAGALUS STERILIS BARNEBY 1949, 289
ASTRAGALUS STREPTOPUS GREENE 1885, 1635
ASTRAGALUS STRIATIFLORUS JONES 1895, 2326
ASTRAGALUS TEGETARIUS VAR. DANAUS BARNEBY 1951, 291
ASTRAGALUS TEGETARIUS VAR. ELATUS (WATS.) BARNEBY 1951 [COMB. NOV.], 291
ASTRAGALUS TEGETARIUS VAR. JESSIAE (PECK) BARNEBY 1951 [COMB. NOV.], 291
ASTRAGALUS TEGETARIUS VAR. NEOMEXICANUS BARNEBY 1951, 291
ASTRAGALUS TEGETARIUS VAR. ROTUNDUS JONES 1895, 2326
ASTRAGALUS TEGETARIUS VAR. UNGULATUS (JONES) BARNEBY 1951 [COMB. NOV.], 291
ASTRAGALUS TEGETARIUS VAR. VIRIDIS (NUTT.) BARNEBY 1951 [COMB. NOV.], 291
ASTRAGALUS TEJONENSIS JONES 1895, 2326
ASTRAGALUS TETRAPTERUS VAR. CINERASCENS (RYDB.) BARNEBY [COMB. NOV.], 281
ASTRAGALUS TETRAPTERUS VAR. TYPICUS BARNEBY 1946 [NOM. NOV.], 281
ASTRAGALUS TOANUS JONES 1893, 2321
ASTRAGALUS TOQUIMANUS BARNABY 1942, 270
ASTRAGALUS TRASKIAE EASTWOOD 1898, 1125
ASTRAGALUS UNCIALIS BARNEBY 1942, 270
ASTRAGALUS VIARIUS EASTWOOD 1935, 1185
ASTRAGALUS WATERFALLII BARNEBY 1953, 296
ASTRAGALUS WETHERILLI JONES 1893, 2322
ASTRAGALUS ZIONIS JONES 1895, 2326
ASTROBLEPUS LABIALIS PEARSON 1937, 3088
ASTROBLEPUS SUPRAMOLLIS PEARSON 1937, 3088
ASTROCOENIA DILLONI DURHAM 1942, 1103
ASTRODAPSIS ISRAELSKY JORDAN & HERTLEIN 1926, 2347
ASTRODAPSIS KEWI JORDAN & HERTLEIN 1926, 2347
ASTRODAPSIS MERRIAMI ANDERSON 1905, 45
ASTRODAPSIS PELTOIDES ANDERSON & MARTIN 1914, 53
ASTRODAPSIS TUMIDUS RÉMOND 1863, 3227
ASTRODAPSIS WHITNEYI RÉMOND 1863, 3227
ASTRONOMY, 624, 665, 747, 801, 889, 994, 995, 1007, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1022, 1023, 1024, 1028, 1030, 1704, 2783, 3525, 3904, 3905, 3906, 4016
ASTYRIS VARIEGATA STEARNS 1873, 3539
ASYDATES PUNTICEPS BLAISDELL 1924, 407
ASYNDETUS BREVIMANUS VAN DUZEE 1923, 3810
ASYNDETUS DISJUNCTUS VAN DUZEE 1923, 3810
ASYNDETUS SINGULARIS VAN DUZEE 1923, 3810
ASYNDETUS SYNTORMOIDES WHEELER 1899, 3889
ASYNDETUS TERMINALIS VAN DUZEE 1923, 3810
ATERGATIS CRISTATISSIMO LOCKINGTON 1877, 2751
ATETHMIA CANESCENS BEHR 1885, 350
ATHEAS TRISTIS VAN DUZEE 1923, 3802
ATHENE WHITNEYI COOPER 1861, 817
ATHERIGONA (ATHERIGONA) NIGRIDORSALIS COURI & PONT & PENNY 2006, 875
ATHERIGONA (ATHERIGONA) QUADRISETA COURI & PONT & PENNY 2006, 875
ATHERIGONA (ATHERIGONA) VARIATA COURI & PONT & PENNY 2006, 875
ATHERIGONA MATEMA CURRAN 1936, 914
ATHERINOMORPHA:PHALLOSTETHIDAE, 3057
ATHERINOPSIS AFFINIS AYRES 1860, 173
ATHERINOPSIS TENUIS AYRES 1860, 173
ATHLETA CARACOLI ANDERSON 1928, 49
ATHOUS APPALACHIUS VAN DYKE 1932, 3816
ATHOUS ARIZONICUS VAN DYKE 1932, 3816
ATHOUS BREVIS VAN DYKE 1932, 3816
ATHOUS CAROLINUS VAN DYKE 1932, 3816
ATHOUS EREBUS VAN DYKE 1932, 3816
ATHOUS ESSIGI VAN DYKE 1932, 3816
ATHOUS PALLIDIPENNIS SIERRAE VAN DYKE 1932, 3816
ATHOUS REUFIPENNIS VAN DYKE 1932, 3816
ATHOUS RUFIVENTRIS MARITIMUS VAN DYKE 1932, 3816
ATHOUS SORDIDUS VAN DYKE 1932, 3816
ATHYSANUS GREENE 1885, 1634
ATLANTIC, 493, 1366, 1749, 1836, 2272, 3132, 3315, 3993
ATLANTIC OCEAN (EASTERN), 791, 2864, 2879
ATLANTIC OCEAN (WESTERN), 3934
ATLANTIC (SOUTH), 1831, 2818
ATOMOSCELIS PEREGRINUS VAN DUZEE 1918, 3796
ATRAGALUS INSULARIS KELLOGG 1884, 2586
ATRINA SEPHENSI HANA 1926, 1732
ATRIPLES CORNUTA JONES 1895, 2326
ATRIPLES GRACIFLORA JONES 1895, 2326
ATRIPLEX, 2180
ATRIPLEX CAPUT-MEDUSAE EASTWOOD 1896, 1122
ATRIPLEX CURVIDENS BRANDEGEE 1889, 524

ATRIPLEX LURIDA BRANDEGEE 1889, 524
ATRIPLEX MAGDALENAE BRANDEGEE 1889, 524
ATRIPLEX SEMIBACCATUM EASTWOOD 1901, 1138
ATRIPLEX SUBDECUMBENS JONES 1895, 2326
ATRIPLEX VALLICOLA HOOVER 1938, 1916
ATTALUS BALTEATUS MARSHALL 1951, 2827
ATTALUS DIFFUSUS MARSHALL 1951, 2827
ATTALUS FROSTI MARSHALL 1951, 2827
ATTALUS ILLINOISENSIS MARSHALL 1951, 2827
ATTALUS LIMONIS MARSHALL 1951, 2827
ATTALUS OREGONENSIS RUBYAE MARSHALL 1951, 2827
ATTALUS SANTAROSAE MARSHALL 1951, 2827
ATTALUS SUBTROPICUS MARSHALL 1951, 2827
ATTALUS SULPHUREUS MARSHALL 1951, 2827
ATTALUS TUCSONENSIS MARSHALL 1951, 2827
ATTALUS TUCSONENSIS SANCTUS MARSHALL 1951, 2827
ATTALUS UNICOLOR HORN 1894, 1935
ATTALUS UTAHENSIS MARSHALL 1951, 2827
ATTA VERSICOLOR PERGANDE 1893, 3112
ATURIA COLOMBIANA ANDERSON 1928, 49
ATURIA KERNIANA ANDERSON & HANNA 1925, 51
ATYS CHIMERA BAKER & HANNA 1927, 233
AUCHENIPTERUS FORDICEI C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
AUCHENOPTERUS MEXICANUS GILBERT 1904, 1554
AUDIBERTIA DORRII KELLOGG 1863, 2507
AUGOCHLORA AZTECA TRANSVERSALIS SANDHOUSE & COCKERELL 1924, 3355
AULACODISCUS BEHANI HANNA & BRIGGER 1964, 1744
AULACODISCUS CRETACEOUS HANNA 1927, 1734
AULACODISCUS CURRUS HANNA & BRIGGER 1964, 1744
AULACODISCUS PUGNALUS HANNA 1927, 1734
AULACODISCUS RELLAE HANNA & GRANT 1926, 1748
AULICUS LINSLEYI BARR 1950, 309
AULISCUS AENIGMUS HANNA 1927, 1734
AULISCUS BONUS HANNA 1932, 1737
AULISCUS SUPPRESSUS HANNA 1932, 1737
AULOGRAPHUM ACICOLUM HARKNESS 1884, 1773
AULOGRAPHUM LUCENS HARKNESS 1884, 1773
AUSTRALIA, 1413, 1516, 1813, 2269, 2270, 2278, 2301, 2743, 2761, 2963, 3087, 3433, 4032
AUSTROAGALLIA ARRHENONIGRA VIRAKTAMATH 1972, 3835
AUSTROFORIS ODHNERI MACFARLAND 1966, 2789
AUTALIA ELEGANS CASEY 1886, 710
AUTODAX LUGUBRIS FARALLONENSIS VAN DENBURGH 1905, 3756
AVERRUNCUS EMMELANE JORDAN & STARKS 1895, 2342
AVERRUNCUS JORDAN & STARKS 1895, 2342
AVERY (BENJAMIN PARKS), 3547
AVES:PELECANIFORMES, 1566
AVIALAE GAUTHIER 1986, 1515
AXENUS AMPHUS EDWARDS 1875, 1288
AXENUS OCHRACEUS EDWARDS 1875, 1288
AXONOPUS, 2159
AXYRIAS HARRINGTONI STARKS 1896, 3510
AXYRIAS STARKS 1896, 3510
AYRESIA COOPER 1863, 823
AYRESIA PUNCTIPINNIS COOPER 1863, 823
AYRES (WILLIAM ORVILLE), 1548
AZALEA NUDIFLORA VAR. CILIATA KELLOGG 1855, 2440, 2551
AZILIA MEXICANA BANKS 1898, 259
AZTEC CULTURE, 2941
AZTEKA COREULEIPENNIS VAR. FASCIATA PERGANDE 1895, 3114
AZTEKA EISENI PERGANDE 1895, 3114
BACCHARIS ARIZONICA EASTWOOD 1931, 1146
BACCINOPSIS CANALICULATA DALL 1874, 946
BACHYPALPUS PIGRA LOVETT 1919, 788
BACILLARIOPHYCEAE, 1, 24, 60, 587, 663, 664, 694, 799, 809, 888, 927, 1461, 1482, 1484, 1494, 1516, 1679, 1734, 1737, 1743, 1744, 1745, 1748, 1749, 1769, 1791, 1831, 2256, 2300, 2301, 2349, 2609, 2612, 2613, 2615, 2617, 2627, 2628, 2635, 2636, 2663, 2676, 2687, 2717, 2771, 2772, 2801, 2802, 2812, 2813, 2826, 2843, 2906, 2952, 3010, 3015, 3042, 3223, 3251, 3256, 3289, 3315, 3371, 3397, 3482, 3488, 3489, 3638, 3860, 3863, 3894, 3896, 3942, 3968, 4005, 4006
BACILLARIOPHYCEAE:EUNOTIACEAE, 2619
BACILLARIOPHYTA, 310, 1449, 2610, 2620, 2623, 2624, 2625, 2907, 2912, 3565, 3576, 3729, 3943
BACILLARIOPHYTA:COSCINODISCOPHYCEAE, 2611
BACTERIA, 1107, 3819
BACTRIDIUM INSULARIS VAN DYKE 1953, 3818
BACTRIS CHARNLEYAE DE NEVERS & HENDERSON & GRAYUM 1996, 1050
BACTRIS GRAYUMII DE NEVERS & HENDERSON 1996, 1050
BACTRIS KUNORUM DE NEVERS & GRAYUM 1996, 1050
BACTRIS PANAMENSIS DE NEVERS & GRAYUM 1996, 1050
BACULITE CHICOENSIS TRASK 1856, 3680, 3699
BACULITES FAIRBANKS ANDERSON 1902, 44
BADKHYZEMBIA GOROCHOV & ANISYUTKIN 2006, 1594
BADKHYZEMBIA KRIVOKHATSKYI GOROCHOV & ANISYUTKIN 2006, 1594
BAERIA, 1762, 2042
BAERIA BAKERI HOWELL 1932, 1949
BAERIA BURKEI GREENE 1886, 1641
BAERIA CHRYSOSTOMA VAR. PALMERI (GRAY) HOWELL 1942 [COMB. NOV.], 2042

BAERIA FREMONTII VAR. HETEROCHAETA HOOVER 1936, 1913
BAERIA MACRANTHA VAR. THALASSOPHILA HOWELL 1948, 2100
BAERIOPSIS GUADALUPENSIS HOWELL 1942, 2042
BAERIOPSIS HOWELL 1942, 2042
BAGRICHTHYS MICRANODUS ROBERTS 1989, 3279
BAHIA CUNEATA KELLOGG 1873, 2569
BAHIA DESERTORUM JONES 1891, 2320
BAHIOPSIS KELLOGG 1859, 2473
BAHIOPSIS LANATA KELLOGG 1859, 2473
BAIRD (SPENCER FULLERTON), 2675
BALAENOPTERA DAVIDSONI SCAMMON 1872, 3363
BALAENOPTERA RYANI HANNA & MCLELLAN 1924, 1754
BALANUS HOPKINSI ZULLO 1968, 4035
BALANUS IRRADIANS ZULLO & GURUSWAMI-NAIDU 1982, 4042
BALANUS TINTINNABULUM CLIPPERTONENSIS ZULLO 1969, 4039
BALCIS DELMONTENSIS SMITH & GORDON 1948, 3449
BALEARIC ISLANDS, 3111
BALISTES NAUFRAGIUM JORDAN & STARKS 1895, 2333
BALISTES VERRES GILBERT & STARKS 1904, 1555
BALISTIDAE, 393
BALSAMIA ALBA HARKNESS 1899, 1789
BALSAMIA FILAMENTOSA HARKNESS 1899, 1789
BALSAMIA MAGNATA HARKNESS 1899, 1789
BALSAMIA NIGRENS HARKNESS 1899, 1789
BALTIC AMBER, 3409
BANKSULA ELLIOTTI BRIGGS & UBICK 1981, 594
BANKSULA GALILEI BRIGGS 1974, 591
BANKSULA GRAHAMI BRIGGS 1974, 591
BANKSULA MARTINORUM BRIGGS & UBICK 1981, 594
BANKSULA MELONES BRIGGS 1974, 591
BANKSULA RUDOLPHI BRIGGS & UBICK 1981, 594
BAPTOLINUS PUNCTIVENTRIS HALL 1901, 1718
BARBADOS, 1471, 1744
BARBUCCA DIABOLICA ROBERTS 1989, 3279
BARBULA BREVICEPES LESQUEREUX 1868, 2688
BARBULIFERA C.H.EIGENMANN & R.S.EIGENMANN 1888, 1314
BARBULIFERA PAPILLOSUS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1314
BARILIUS BORNEENSIS ROBERTS 1989, 3279
BARINUS CASEY 1886, 710
BARINUS SQUAMOLINEATUS CASEY 1886, 710
BARIS HETERODOXA HALL 1901, 1718
BARIS MONITCOLA HALL 1901, 1718
BARNACLES, 181, 693, 865, 3821, 4035, 4036, 4037, 4042
BARROETEA GLUTINOSA BRANDEGEE 1908, 577
BARYCONITES MULTILINEATUS PALMER 1928, 3050
BARYCONITES PALMER 1928, 3050
BARYPLEGMA MACULIPENNIS COLE 1923, 786
BASIDIOMYCETES, 486
BATHYCALANUS SVERDRUPI JOHNSON 1958, 2311
BATHYGADIDAE, 2269
BATHYMETRY, 3400
BATHYPHANTES DENTICHELIS CHAMBERLIN 1925, 718
BATHYPHANTES PALLIDULA BANKS 1904, 260
BATHYPHANTES TRANSVERSUS BANKS 1898, 259
BATHYPHANTES WANA CHAMBERLIN 1925, 718
BATHYSIPHON EOCENICA CUSHMAN & HANNA 1927, 925
BATHYTOMA BOUNDEYI WARING 1917, 3858
BATHYTOMA CONDONANA ANDERSON & MARTIN 1914, 53
BATRACHOIDES BOULENGERI GILBERT & STARKS 1904, 1555
BATRACHOIDIDAE, 1658
BATRISUS CEPHALOTES CASEY 1887, 711
BATRISUS FOVEICORNIS CASEY 1887, 711
BATRISUS LUCULENTUS CASEY 1887, 711
BATRISUS MENDOCINO CASEY 1886, 710
BATRISUS MONTICOLA CASEY 1886, 710
BATRISUS OCCIDUUS CASEY 1886, 710
BATRISUS PUNCTIFRONS CASEY 1887, 711
BATRISUS SPECULUM CASEY 1886, 710
BATRISUS ZEPHYRINUS CASEY 1886, 710
BATS, 3036, 3037
BATULIODES OBESUS DOYEN 1987, 1077
BATULIODES SPATULATUS DOYEN 1987, 1077
BATULIODES WASBAUERI DOYEN 1987, 1077
BATULIOMORPHA COMATA DOYEN 1987, 1077
BATULIOMORPHA DOYEN 1987, 1077
BATULIOMORPHA IMPERIALIS DOYEN 1987, 1077
BATULIOMORPHA TIBIODENTATA DOYEN 1987, 1077
BAUHINIA CHLORANTHA BRANDEGEE 1905, 573
BAYERGORGIA VERMIDOMA WILLIAMS & LOPEZ-GONZALEZ 2005, 3965
BAYERGORGIA WILLIAMS & LOPEZ-GONZALEZ 2005, 3965
BAYLEOIDEA CLIVI PALMER 1928, 3050
BAYLEOIDEA PALMER 1928, 3050
BDELLA CALIFORNICA BANKS 1904, 260
BEAUFORTIA, 1150
BEBBIA GREENE 1885, 1636
BEBBIA JUNCEA ASPERA GREENE 1885, 1636
BECK (ROLLO HOWARD), 1085
BEES, 774, 775, 776, 777, 778, 779, 780, 1475, 3354, 3355, 4028
BEGONIA (KNESEBECKIA) CALIFORNICA BRANDEGEE 1891, 541
BEHAVIOR, 81, 2606, 2794, 2919, 3935, 3995
BEHRIA GREENE 1886, 1641

BEHRIA TENUIFLORA GREENE 1886, 1641
BELA SANCTAE-MONICAE ARNOLD 1903, 126
BELEMNITES PACIFICUS GABB 1864, 1490
BELIZE, 1471
BELLOPHIS LOCKINGTON 1877, 2752
BELLOPHIS ZONATUS LOCKINGTON 1877, 2752
BELOPERONE PURPUSI BRANDEGEE 1901, 568
BELOPHERONE CALIFORNICA VAR. CONFERTA BRANDEGEE 1889, 524
BELOPHERONE HIANS BRANDEGEE 1889, 524
BELOSTA ALBICOMULA KELSEY 1971, 2599
BELOSTA SCUTULAMACULA KELSEY 1971, 2599
BELTRANIA QUERNA HARKNESS 1884, 1773
BEMBEX OCCIDENTALIS FOX 1893, 1464
BEMBICINI, 1463
BEMBIDION AEGER ERWIN 1982, 1361
BEMBIDION ARMUELLES ERWIN 1982, 1361
BEMBIDION BARRENSIS ERWIN 1982, 1361
BEMBIDION CHIRIQUI ERWIN 1982, 1361
BEMBIDION CORTES ERWIN 1982, 1361
BEMBIDION DIABOLA ERWIN 1982, 1361
BEMBIDION EDWARDSI ERWIN 1982, 1361
BEMBIDION EQUATORIALE VAN DYKE 1953, 3818
BEMBIDION FRANIAE ERWIN 1982, 1361
BEMBIDION IXTATAN ERWIN 1982, 1361
BEMBIDION LAVERNAE ERWIN 1982, 1361
BEMBIDION NAHAULA ERWIN 1982, 1361
BEMBIDION PURULHA ERWIN 1982, 1361
BEMBIDION QUETZAL ERWIN 1982, 1361
BEMBIDIUM JUCUNDUM HORN 1895, 1936
BEMBIX MAGDALENAE FOX 1926, 1463
BENETORUS FANTASMUS HANNA 1927, 1734
BENETORUS HANNA 1927, 1734
BENHAMIA GUATEMALAE EISEN 1900, 1343
BENHAMIA JAMAICAE EISEN 1900, 1343
BENHAMIA NANA EISEN 1896, 1340
BENHAMIA PALMICOLA EISEN 1896, 1340
BENHAMIA PAPILLATA EISEN 1896, 1340
BENHAMIA RUGOSA EISEN 1896, 1340
BENHAMIA VIRIDIS EISEN 1900, 1343
BENITOA KECK 1956, 2394
BENSONIELLA MORTON 1965, 2957
BENSONIELLA OREGONA (ABRAMS & BACIGALUPI) MORTON 1965 [COMB. NOV.], 2957
BENTHOCTOPUS CANTHYLUS VOSS & PEARCY 1990, 3846
BENTHOCTOPUS MACROPHALLUS VOSS & PEARCY 1990, 3846
BENTHOCTOPUS OREGONENSIS VOSS & PEARCY 1990, 3846
BENTHOCTOPUS ROBUSTUS VOSS & PEARCY 1990, 3846
BENTHOCTOPUS YAQUINAE VOSS & PEARCY 1990, 3846
BERBERIS, 1519
BERINGIA, 1346
BERNARDIA VIRIDIS MILLSPAUGH 1889, 2932
BEROSUS DOLEROSUS LEECH 1948, 2679
BEROSUS SALINUS HALL 1901, 1718
BERTHELLA GROOVESI HERMOSILLO & VALDES 2008, 1855
BESTIA CRISTATA (HAMPE) KOCH 1950 [COMB. NOV.], 2618
BESTIA CRISTATA VAR. HOWEI (KINDB.) KOCH 1950 [COMB. NOV.], 2618
BESTIA CRISTATA VAR. LUTESCENS (LESQ. & JAMES) KOCH 1950 [COMB. NOV.], 2618
BETACIXIUS EUTERPE FENNAH 1956, 1423
BETACIXIUS NELIDES NELIDES FENNAH 1956, 1423
BETACIXIUS NIGROMARGINALIS FENNAH 1956, 1423
BETAEUS EQUIMANUS LOCKINGTON 1877, 2751
BETAEUS LONGIDACTYLUS LOCKINGTON 1877, 2750
BETTA DIMIDIATA ROBERTS 1989, 3279
BIBIOCEPHALA COMSTOCKI KELLOGG 1903, 2594
BIBLIOGRAPHY, 96, 98, 99, 101, 111, 112, 116, 125, 399, 811, 1282, 1339, 1341, 1404, 1448, 1459, 1527, 1866, 1905, 2179, 2589, 2625, 2652, 2700, 2706, 2711, 2792, 2849, 2927, 2991, 3052, 3368, 3401, 3447, 3451, 3474, 3559, 3653, 3839, 3840, 3842, 3869, 3950
BICYRTES TRISTIS FOX 1923, 1462
BIDDULPHIA BALTZOI HANNA 1970, 1743
BIDDULPHIA DEODORA HANNA & GRANT 1926, 1748
BIDDULPHIA JORDANI HANNA & GRANT 1926, 1748
BIDDULPHIA PENITENS HANNA & GRANT 1926, 1748
BIDDULPHIA RIEDYI HANNA & GRANT 1926, 1748
BIDENS ALPINA BRANDEGEE 1908, 575
BIDENS HETEROPHYLLA BRANDEGEE 1890, 540
BIDENS OLIGANTHA BRANDEGEE 1905, 573
BIDENS REFRACTA BRANDEGEE 1890, 540
BIDENS SPECIOSA PARISH 1900, 3075
BIDESSUS YOUNGI LEECH 1948, 2679
BIGELOVIA FURFURACEA GREENE 1885, 1634
BIGELOVIA GLAREOSA JONES 1891, 2320
BIGELOVIA GRAVEOLENS VAR. APPENDICULATA EASTWOOD 1897, 1124
BIGELOVIA HOWARDI VAR. ATTENUATA JONES 1895, 2326
BIGELOVIA LEIOSPERMA VAR. ABBREVIATA JONES 1895, 2326
BIGELOVIA MENZIESII VAR. SCOPULORUM JONES 1895, 2326
BIGELOVIA TURBINATA JONES 1895, 2326
BIGELOVIA VENETA VAR. SEDOIDES GREENE 1887, 1642
BIGENERINA DECIUSI CHURCH 1968, 751
BIGNONIA CALIFORNICA BRANDEGEE 1901, 568
BIGUEMBIA MULTIVENOSA ROSS 2001, 3308
BINNEYA COOPER 1863, 822

BINNEYA GUADALUPENSIS PILSBRY 1927, 3120
BINNEYA NOTABILIS COOPER 1863, 822
BIOCULUS AGUAJENSIS STAHNKE 1968, 3508
BIOCULUS BELVEDERI STAHNKE 1968, 3508
BIOCULUS CERRALVENSIS STAHNKE 1968, 3508
BIOCULUS COMONDAE STAHNKE 1968, 3508
BIOCULUS CRUZENSIS STAHNKE 1968, 3508
BIOCULUS DANZANTIENSIS STAHNKE 1968, 3508
BIOCULUS FIGGHOBLYNI STAHNKE 1968, 3508
BIOCULUS LINDSAYI STAHNKE 1968, 3508
BIOCULUS LUTEUS STAHNKE 1968, 3508
BIOCULUS PARRAENSIS STAHNKE 1968, 3508
BIOCULUS PARRISHI STAHNKE 1968, 3508
BIOCULUS PROLATIO STAHNKE 1968, 3508
BIOCULUS SANTOENSIS STAHNKE 1968, 3508
BIOCULUS SIMILIS STAHNKE 1968, 3508
BIOCULUS STAHNKE 1968, 3508
BIODIVERSITY, 308, 392, 724, 1070, 1107, 1308, 1360, 1364, 1442, 2281, 2282, 2283, 2882, 3216, 3536, 3564, 3831
BIOGEOGRAPHY, 9, 219, 316, 318, 319, 588, 607, 608, 611, 660, 1074, 1355, 1440, 1503, 1573, 1671, 1813, 1866, 2642, 2674, 2770, 2985, 3013, 3018, 3111, 3123, 3368, 3376, 3533, 3727, 3878, 3943
BIOGRAPHY, 16, 73, 75, 79, 95, 96, 99, 106, 107, 110, 112, 113, 114, 121, 124, 125, 649, 688, 689, 928, 975, 1043, 1064, 1085, 1358, 1359, 1404, 1527, 1529, 1549, 1625, 1704, 1839, 1899, 1912, 2148, 2153, 2158, 2210, 2251, 2279, 2284, 2290, 2295, 2308, 2309, 2386, 2387, 2605, 2652, 2660, 2662, 2693, 2698, 2699, 2743, 2790, 2865, 2876, 2927, 3139, 3367, 3474, 3821, 3850, 3957, 3959
BIOLOGICAL SCIENCES, 451, 763, 3375, 3557
BIOMEDICINE, 701, 1419, 1632, 2260, 2600, 2995, 3086, 3248, 3365, 3635, 3883, 3990
BIOSTRATIGRAPHY, 1, 1560, 3860, 3894
BIOTUS FORMICARIUS CASEY 1887, 711
BITTIUM WILLIAMSONI ARNOLD 1903, 126
BLAKEA ATTENBOROUGHII PENNEYS 2009, 3104
BLAKEA FUCHSIODES ALMEDA 1989, 29
BLAKEA GREGII ALMEDA 1990, 31
BLAKEA HAMMELII ALMEDA 1990, 31
BLAKEA HERRERAE ALMEDA 1990, 31
BLAKEA SCARLATINA ALMEDA 1990, 31
BLAKEA VENUSTA KRIEBEL & ALMEDA & ESTRADA 2005, 2640
BLANFORD (HENRY FRANCIS), 2696
BLANFORD (WILLIAM THOMAS), 2696
BLAPSTINUS AMNOSUS BLAISDELL 1923, 405
BLAPSTINUS ARIDUS BLAISDELL 1923, 405
BLAPSTINUS DENSIPUNCTATUS BLAISDELL 1943, 410
BLAPSTINUS PARADOXUS BLAISDELL 1923, 405
BLATTTARIA, 2737
BLEDIUS CLARUS HALL 1901, 1718
BLEDIUS DECEPTIVUS HALL 1901, 1718
BLEDIUS RELICTUS HALL 1901, 1718
BLEDIUS RUSTICUS HALL 1901, 1718
BLENNOSPERMA NANUM VAR. ROBUSTUM HOWELL 1948, 2100
BLEPHARIDA ATRIPENNIS HORN 1895, 1936
BLEPHARIZONA LAXA GREENE 1885, 1637
BLEPHARIZONA PLUMOSA GREENE 1885, 1637
BLEPHARIZONIA GREENE 1885, 1637
BLEPHAROCERA JORDANI KELLOGG 1903, 2594
BLEPHAROCERA OSTEN-SACKENI KELLOGG 1903, 2594
BLEPHARONYCHA FALL 1927, 1417
BLEPHARONYCHA MELANOPTERA FALL 1927, 1417
BLOOMERIA AUREA KELLOGG 1859, 2461
BLOOMERIA KELLOGG 1859, 2461
BLOOMERIA MONTANA GREENE 1885, 1637
BOERHAAVIA CHRYSANTHUS BARNEBY 1966, 305
BOERHAAVIA ELONGATA BRANDEGEE 1889, 524
BOISDUVALIA CLEISTOGAMA CURRAN 1884, 915
BOISDUVALIA DENSIFLORA VAR. SALICINA (NUTT.) MUNZ 1941 [COMB. NOV.], 2973
BOISDUVALIA PALLIDA EASTWOOD 1937, 1203
BOLETINA ATRA COLE 1921, 789
BOLETINA ATRA VAN DUZEE 1928, 3813
BOLETINA CRASSICAUDA VAN DUZEE 1928, 3813
BOLITOPHILA DUBIOSA VAN DUZEE 1928, 3813
BOLIVIA, 1375, 1471, 1502, 3079
BOLOTHRIPS AUSTRALIENSIS MOULTON 1968, 2963
BOLOTHRIPS FLAVITIBIA MOULTON 1968, 2963
BOLTENIA POLYPLACODERMA LAMBERT 1993, 2649
BOMBYLIUS FLAVIPILOSA COLE 1923, 785
BOMBYLUS AURIFER PENDENS COLE 1919, 788
BOMBYLUS SILVUS COLE 1919, 788
BOOK REVIEW, 3854
BORNEO, 2257, 3275, 3279
BORYSTHENES ACUMINATUS FENNAH 1956, 1423
BORYSTHENES DEFLEXUS FENNAH 1956, 1423
BORYSTHENES EMARGINATUS FENNAH 1956, 1423
BOTANICAL GARDENS, 481
BOTANY, 3, 4, 5, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 40, 41, 42, 43, 60, 79, 94, 131, 134, 218, 220, 221, 222, 223, 224, 225, 226, 227, 228, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 311, 321, 322, 323, 328, 329, 330, 331, 332, 334, 327, 333, 335, 337, 338, 346, 348, 349, 361, 363, 366, 386, 388, 389, 390, 399, 402, 403, 421, 434, 439, 441, 442, 443, 444, 445, 446, 449, 457, 463, 467, 468, 469, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 496, 497, 498, 499, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523,

524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 574, 575, 576, 580, 582, 583, 597, 668, 683, 679, 680, 681, 682, 684, 686, 687, 688, 689, 703, 704, 720, 721, 745, 757, 770, 773, 781, 782, 802, 803, 804, 805, 806, 807, 810, 813, 814, 815, 816, 836, 864, 867, 868, 869, 879, 880, 881, 882, 883, 884, 885, 886, 887, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 915, 916, 917, 918, 919, 920, 921, 922, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 1036, 1041, 1042, 1043, 1044, 1046, 1049, 1050, 1051, 1084, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1098, 1228, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1291, 1302, 1303, 1304, 1305, 1306, 1307, 1326, 1327, 1328, 1330, 1334, 1341, 1344, 1345, 1347, 1357, 1358, 1377, 1378, 1401, 1402, 1403, 1407, 1408, 1409, 1425, 1436, 1448, 1458, 1467, 1473, 1476, 1477, 1478, 1479, 1483, 1495, 1496, 1497, 1498, 1499, 1500, 1517, 1518, 1519, 1553, 1560, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1585, 1618, 1619, 1620, 1621, 1622, 1623, 1626, 1627, 1628, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1662, 1664, 1706, 1714, 1715, 1719, 1722, 1761, 1762, 1763, 1764, 1765, 1766, 1773, 1774, 1776, 1777, 1780, 1783, 1784, 1785, 1786, 1789, 1801, 1802, 1809, 1812, 1814, 1815, 1816, 1817, 1818, 1830, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1856, 1857, 1858, 1859, 1874, 1878, 1881, 1882, 1883, 1884, 1893, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1911, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1945, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2252, 2253, 2254, 2255, 2288, 2289, 2299, 2302, 2303, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2321, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2586, 2587, 2588, 2597, 2598, 2611, 2618, 2620,

2621, 2638, 2639, 2640, 2641, 2650, 2651, 2664, 2665, 2674, 2684, 2688, 2714, 2726, 2732, 2733, 2734, 2744, 2745, 2746, 2773, 2795, 2796, 2797, 2798, 2799, 2800, 2822, 2834, 2835, 2836, 2838, 2842, 2844, 2845, 2847, 2848, 2849, 2850, 2851, 2852, 2853, 2886, 2889, 2890, 2895, 2903, 2908, 2932, 2933, 2942, 2943, 2949, 2950, 2951, 2953, 2954, 2955, 2956, 2957, 2958, 2959, 2960, 2962, 2967, 2968, 2969, 2970, 2971, 2972, 2973, 2974, 2975, 2976, 2977, 2978, 2979, 2980, 3011, 3013, 3014, 3019, 3020, 3021, 3022, 3023, 3024, 3025, 3026, 3027, 3028, 3029, 3044, 3052, 3060, 3061, 3062, 3063, 3064, 3065, 3066, 3067, 3068, 3069, 3070, 3072, 3073, 3074, 3075, 3076, 3077, 3078, 3079, 3081, 3082, 3083, 3084, 3092, 3093, 3094, 3095, 3096, 3097, 3098, 3103, 3100, 3101, 3102, 3104, 3119, 3127, 3129, 3130, 3133, 3137, 3138, 3139, 3145, 3152, 3165, 3166, 3167, 3168, 3169, 3188, 3189, 3190, 3191, 3192, 3193, 3194, 3195, 3196, 3197, 3198, 3199, 3200, 3201, 3202, 3203, 3204, 3205, 3206, 3207, 3208, 3209, 3210, 3211, 3212, 3213, 3219, 3220, 3222, 3233, 3234, 3236, 3242, 3243, 3246, 3249, 3250, 3270, 3287, 3288, 3291, 3292, 3293, 3295, 3296, 3297, 3324, 3325, 3326, 3327, 3328, 3329, 3330, 3331, 3332, 3333, 3334, 3335, 3336, 3337, 3338, 3339, 3340, 3341, 3342, 3347, 3349, 3350, 3351, 3357, 3364, 3365, 3383, 3384, 3385, 3386, 3387, 3388, 3389, 3390, 3398, 3399, 3453, 3454, 3455, 3456, 3460, 3457, 3458, 3459, 3473, 3474, 3481, 3484, 3491, 3492, 3493, 3494, 3495, 3496, 3497, 3498, 3499, 3500, 3501, 3502, 3503, 3504, 3505, 3506, 3532, 3556, 3559, 3563, 3567, 3568, 3569, 3575, 3578, 3579, 3580, 3581, 3582, 3583, 3584, 3585, 3586, 3587, 3592, 3603, 3606, 3607, 3608, 3609, 3610, 3611, 3612, 3645, 3646, 3647, 3648, 3649, 3650, 3651, 3653, 3654, 3655, 3660, 3661, 3667, 3705, 3706, 3707, 3712, 3716, 3717, 3718, 3719, 3720, 3721, 3725, 3730, 3731, 3732, 3819, 3822, 3823, 3824, 3825, 3826, 3847, 3848, 3851, 3852, 3853, 3854, 3855, 3856, 3859, 3865, 3870, 3872, 3873, 3875, 3876, 3877, 3879, 3884, 3885, 3886, 3887, 3924, 3925, 3926, 3927, 3928, 3941, 3969, 3970, 3971, 3996, 3997, 4031, 4043

BOTIA REVERSA ROBERTS 1989, 3279

BOUTELOUA, 1623

BOUTELOUS GENTRYI GOULD 1949, 1621

BOVERIA STEVENS 1901, 3566

BOVERIA SUBCYLINDRICA STEVENS 1901, 3566

BOWMAN (ROBERT IRWIN), 2699

BRACHIOLEJEUNEA GRANDIDENTATA CLARK 1953, 757

BRACHIOPODA, 3316

BRACHIOPODS, 3449

BRACHYBOTHRIUM SHOSHONEUM CHAMBERLIN 1925, 718

BRACHYCARA DIGITATA JAMES 1966, 2291

BRACHYCISTIS FOX 1893, 1464

BRACHYCISTIS PETIOLATUS FOX 1893, 1464

BRACHYMELES CEBUENSIS BROWN & RABOR 1967, 620

BRACHYMELES GRACILIS BOHOLENSIS BROWN & RABOR 1967, 620

BRACHYMELES GRACILIS MINDORENSIS BROWN & RABOR 1967, 620

BRACHYMELES SCHADENBERGI ORIENTALIS BROWN & RABOR 1967, 620

BRACHYNEMURUS CALIFORNICUS BANKS 1895, 258

BRACHYNEMURUS FRATERNUS BANKS 1895, 258

BRACHYNEMURUS MEXICANUS BANKS 1895, 258

BRACHYOPA GIGAS LOVETT 1919, 788

BRACHYPEZA BREVITIBIA VAN DUZEE 1928, 3813

BRACHYPODIUM, 2113

BRACHYPTEREMBIA MORELIENSIS ROSS 1984, 3304

BRACHYSOMOPHIS ATLANTICUS BLACHE & SALDANHA 1972, 1542, 2879, 3436

BRACHYUFENS VIGGIANI 1968, 1075

BRACON FOXII ASHMEAD 1895, 130

BRADYCINETUS HORNII RIVERS 1886, 3257

BRANDEGEA COGNIAUX 1890, 781

BRASILEMBIA BECKERI ROSS 2003, 3310

BRASILEMBIA ROSS 2003, 3310

BRAZIL, 94, 1045, 1315, 1317, 1362, 1436, 1471, 1477, 1501, 1502, 1553, 1593, 1624, 1799, 2633, 2768, 2940, 2989, 2990, 3278

BREMUS CALIGINOSUS FRISON 1927, 1475

BRENNANIA, 2653

BREVITRICHIA ALBANOTA KELSEY 1971, 2599

BREVITRICHIA ARENA KELSEY 1971, 2599

BREVITRICHIA ARGENTAURBA KELSEY 1971, 2599

BREVITRICHIA BADICLITELLA KELSEY 1971, 2599

BREVITRICHIA DAILEYI KELSEY 1971, 2599

BREVITRICHIA FORFOCOCRUXA KELSEY 1971, 2599

BREVITRICHIA INFERACANNA KELSEY 1971, 2599

BREVITRICHIA IRWINI KELSEY 1971, 2599

BREVITRICHIA MIRALOMA KELSEY 1971, 2599

BREVITRICHIA NAYARITA KELSEY 1971, 2599

BREVITRICHIA NEVADA KELSEY 1971, 2599

BREVITRICHIA PALIDA KELSEY 1971, 2599

BREVITRICHIA PALMACANA KELSEY 1971, 2599

BREVITRICHIA PISCIFONTA KELSEY 1971, 2599

BREVITRICHIA SEPTISPINA KELSEY 1971, 2599

BREVITRICHIA WILCOXI KELSEY 1971, 2599

BRICKELIA MULTIFLORA KELLOG 1884, 1633

BRICKELLIA PENINSULARIS BRANDEGEE 1901, 568

BROCHYMENA APICULATA VAN DUZEE 1923, 3802

BROCHYMENA HOPPINGI VAN DUZEE 1921, 3798

BROCHYMENA SULCATA VAN DUZEE 1918, 3796

BRODIAEA ELEGANS VAR. AUSTRALIS HOOVER 1957, 1926

BRODIAEA HOWELLII EASTWOOD 1938, 1210

BRODIAEA JOLONENSIS EASTWOOD 1938, 1210

BRODIAEA NANA HOOVER 1936, 1913

BRODIAEA PALLIDA HOOVER 1938, 1916

BRODIAEA PURDYI EASTWOOD 1896, 1123
BRODIAEA TERRESTRIS KELLOGG 1858, 2456
BRODIERA INSULARIS GREENE 1886, 1641
BROMUS, 3196, 3327, 3556
BROMUS DOLICHOCARPUS WAGNON 1950, 3847
BROMUS LANATIPES FORMA GLABER WAGNON 1950, 3847
BROMUS MUCROGLUMIS WAGNON 1950, 3847
BROMUS PSEUDOLAEVIPES WAGNON 1950, 3847
BRONGNIARTIA TRIFOLIATA BRANDEGEE 1901, 565
BRONTAEA DIFFERA COURI & PONT & PENNY 2006, 875
BROSMIUS MARGINATUS AYRES 1854, 140, 170, 187
BROTULA FLAVIVIRIDIS GREENFIELD 2005, 1646
BRUCHUS JULIANUS HORN 1894, 1935
BRYACEAE NUDICAULE LESQUEREUX 1868, 2688
BRYAXIS ARIZONAE CASEY 1887, 711
BRYOLOGY, 3559
BRYONEMBIA AMPLIATA ROSS 2003, 3309
BRYONEMBIA ROSS 2003, 3309
BRYONOMUS CASEY 1885, 708
BRYOSTEMMA JORDAN & STARKS 1895, 2342
BRYOSTEMMA NUGATOR JORDAN & WILLIAMS 1895, 2342
BRYOZOA, 3285, 3486
BRYOZOA:ECTOPROCTA, 3485, 3487
BRYX CLARIONENSIS FRITZSCHE 1980, 1480
BRYX HERALDI FRITZSCHE 1980, 1480
BUFO CROCUS WOGAN 2003, 3994
BUIBUI ABYSSINICA GRISWOLD 2001, 1671
BUIBUI CYRTATA GRISWOLD 2001, 1671
BUIBUI GRISWOLD 2001, 1671
BUIBUI KANKAMELOS GRISWOLD 2001, 1671
BUIBUI ORTHOSKELOS GRISWOLD 2001, 1671
BULBOCERCA FULVA ROSS 1984, 3304
BULBOCERCA MINUTA ROSS 2003, 3310
BULBOCERCA NIGRA ROSS 2003, 3310
BULBOSEMBIA ROSS 2007, 3312
BULBOSEMBIA THAILANDICA ROSS 2007, 3312
BULBOSTYLUS, 329
BULBOSTYLUS CONIFERA (KUNTH) BEETLE 1944 [COMB. NOV.], 329
BULBOSTYLUS CONOSTACHYA (BOECK.) BEETLE 1944 [COMB. NOV.], 329
BULBOSTYLUS DENSA (WALL.) BEETLE 1944 [COMB. NOV.], 329
BULBOSTYLUS GARDNERIANA (STEUD.) BEETLE 1944 [COMB. NOV.], 329
BULBOSTYLUS LABILLARDIERI (STEUD.) BEETLE 1944 [COMB. NOV.], 329
BULBOSTYLUS PILOSA (STEUD.) BEETLE 1944 [COMB. NOV.], 329
BULBOSTYLUS PRINGLEI (BRITTON) BEETLE 1944 [COMB. NOV.], 329
BULBOSTYLUS SCHRADERIANA (STEUD.) BEETLE 1944 [COMB. NOV.], 329
BULBOSTYLUS SUBDISTICHA (BOECK.) BEETLE 1944 [COMB. NOV.], 329
BULBOSTYLUS TRICHOIDES (SCHRAD.) BEETLE 1944 [COMB. NOV.], 329
BULBOSTYLUS TRICHOKOLEA (STEUD.) BEETLE 1944 [COMB. NOV.], 329
BULBOSTYLUS WALLICHIANA (SCHULT.) BEETLE 1944 [COMB. NOV.], 329
BULGARIA, 3015, 3638
BULIMULUS ADELPHUS DALL 1917, 952
BULIMULUS AKAMATUS DALL 1917, 952
BULIMULUS ALBEMARLENSIS DALL 1917, 952
BULIMULUS ALETHORHYTIDUS DALL 1917, 952
BULIMULUS BAKERI HANNA 1923, 1728
BULIMULUS CERALBOENSIS HANNA 1923, 1728
BULIMULUS CHAMBERLINI HANNA 1923, 1728
BULIMULUS CUCULLINUS DALL 1917, 952
BULIMULUS CYMATIAS DALL 1917, 952
BULIMULUS DECIPIENS COOPER 1895, 861
BULIMULUS DORMANI FORMA SUBFASCIATUS COCKERELL 1891, 771
BULIMULUS ELAEODES DALL 1917, 952
BULIMULUS HANNAI PILSBRY 1927, 3120
BULIMULUS HEMAERODES DALL 1917, 952
BULIMULUS INSCENDENS BELDINGI COOPER 1892, 855
BULIMULUS JERVISENSIS DALL 1917, 952
BULIMULUS JOHNSTONI HANNA 1923, 1728
BULIMULUS LYCODUS DALL 1917, 952
BULIMULUS OCHSNERI DALL 1917, 952
BULIMULUS PERRUS DALL 1917, 952
BULIMULUS RABIDENSIS DALL 1917, 952
BULIMULUS SANTACRUZENSIS HANNA 1923, 1728
BULIMULUS SLEVINI HANNA 1923, 1728
BULIMULUS SUFFLATUS INSULARIS COOPER 1892, 855
BULIMULUS XIMENEZ HANNA 1923, 1728
BULLA CANTUAENSIS ANDERSON & MARTIN 1914, 53
BULLA-SCRIPTA GARRETT 1857, 1504, 1507
BULLIA ANGLONANA ANDERSON 1905, 45
BUMELIA FRAGRANS BRANDEGEE 1901, 565
BUMELIA PENINSULARIS BRANDEGEE 1901, 565
BUMELIA SOCORRENSIS BRANDEGEE 1901, 565
BUNOCEPHALUS SCABRICEPS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
BUNOPUS ABUDHABI LEVITON & ANDERSON 1967, 2702
BURKINA FASO, 3163
BURSERA CERASIFOLIA BRANDEGEE 1891, 541
BURSERA COLLINA BRANDEGEE 1905, 573
BURSERA FILICIFOLIA BRANDEGEE 1908, 577
BURSERA NESOPOLA JOHNSTON 1931, 2314
BURSERA ODORATA BRANDEGEE 1889, 524
BURSERA PURPUSII BRANDEGEE 1908, 577
CABILLUS CAUDIMACULA GREENFIELD & RAN-

DALL 2004, 1654
CACTACEAE, 388, 517, 518, 522, 544, 1964, 3098
CACTEAE ORCUTTII BRANDEGEE 1900, 517
CACTOSPIZA GIFFORDI SWARTH 1929, 3618
CACTOSPIZA PALLIDA STRIATIPECTA SWARTH 1931, 3620
CADLINA LUTEOMARGINATA MACFARLAND 1966, 2789
CADLINA MODESTA MACFARLAND 1966, 2789
CAECUM COOPERI CARPENTER 1866, 700
CAECUM CREBRICINCTUM CARPENTER 1866, 700
CAELORINCHUS AMYDROZOSTERUS IWAMOTO & WILLIAMS 1999, 2278
CAELORINCHUS CHARIUS IWAMOTO & WILLIAMS 1999, 2278
CAELORINCHUS GAESORHYNCHUS IWAMOTO & WILLIAMS 1999, 2278
CAELORINCHUS GOOBALA IWAMOTO & WILLIAMS 1999, 2278
CAELORINCHUS LASTI IWAMOTO & WILLIAMS 1999, 2278
CAELORINCHUS MAYIAE IWAMOTO & WILLIAMS 1999, 2278
CAELORINCHUS MULTIFASCIATUS SAZONOV & IWAMOTO 1992, 3361
CAELORINCHUS NAZCAENSIS SAZONOV & IWAMOTO 1992, 3361
CAELORINCHUS PARDUS IWAMOTO & WILLIAMS 1999, 2278
CAELORINCHUS SPILONOTUS SAZONOV & IWAMOTO 1992, 3361
CAELORINCHUS THURLA IWAMOTO & WILLIAMS 1999, 2278
CAELORINCHUS VITYAZAE IWAMOTO & SHCHERBACHEV & MARQUARDT 2004, 2276
CAENOCARA OCCIDENS CASEY 1885, 708
CAENOPOEUS NIGER HORN 1894, 1935
CAESALPINIA PANNOSA BRANDEGEE 1889, 524
CAESALPINIA (POMARIA) PLACIDA BRANDEGEE 1891, 541
CAESALPINIA REPENS EASTWOOD 1893, 1117
CAKILE, 3297
CALACADIA CHILENSIS EXLINE 1960, 1405
CALACADIA COQUIMBENSIS EXLINE 1960, 1405
CALACADIA OSORNO EXLINE 1960, 1405
CALACADIA ROSSI EXLINE 1960, 1405
CALAIS GRACILILOBA KELLOGG 1873, 2569
CALAIS KELLOGGII GREENE 1886, 843, 1639
CALAMAGROSTIS PURPURASCENS VAR. OPHITIDIS HOWELL 1946, 2082
CALAMAGROSTIS SCOPULORUM JONES 1895, 2326
CALAMINTHA CHANDLERI BRANDEGEE 1904, 572
CALAMOCLOSTES ACULEUS ROSS 2001, 3308
CALAMOCLOSTES MICROPTERUS ROSS 2001, 3308
CALANDRINIA MENZIESSI VAR. MACROCARPA GRAY 1864, 1626
CALAPHIS MAGNOLIAE ESSIG & KUWANA 1918, 1376
CALARIAS CHILENSIS CLARK 1938, 756
CALAVERAS SKULL, 3909
CALEA RUPESTRIS BRANDEGEE 1908, 577
CALENDULA, 2084
CALICINA ARIDA UBICK & BRIGGS 1989, 3726
CALICINA BASALTA UBICK & BRIGGS 1989, 3726
CALICINA CONIFERA UBICK & BRIGGS 1989, 3726
CALICINA DIMINUA UBICK & BRIGGS 1989, 3726
CALICINA DIMORPHICA UBICK & BRIGGS 1989, 3726
CALICINA GALENA UBICK & BRIGGS 1989, 3726
CALICINA MESAENSIS UBICK & BRIGGS 1989, 3726
CALIFORNIA, 7, 8, 9, 19, 41, 42, 44, 45, 46, 47, 51, 53, 55, 84, 90, 92, 93, 126, 128, 131, 135, 136, 137, 138, 141, 142, 143, 144, 145, 147, 148, 149, 150, 151, 153, 154, 156, 157, 158, 159, 160, 161, 162, 163, 165, 168, 169, 172, 173, 177, 179, 182, 183, 184, 185, 188, 189, 190, 191, 192, 194, 195, 196, 197, 198, 200, 201, 203, 204, 205, 206, 207, 208, 209, 210, 212, 213, 215, 224, 228, 240, 255, 260, 261, 265, 276, 278, 324, 325, 328, 330, 331, 332, 335, 339, 340, 341, 342, 343, 344, 345, 346, 351, 352, 355, 359, 362, 363, 365, 370, 374, 375, 376, 377, 378, 379, 380, 383, 384, 386, 396, 400, 401, 402, 403, 404, 407, 412, 415, 420, 421, 424, 430, 434, 448, 449, 454, 458, 459, 466, 475, 477, 478, 479, 480, 482, 483, 484, 488, 497, 498, 499, 500, 501, 503, 513, 514, 516, 520, 523, 525, 527, 531, 532, 534, 535, 536, 539, 540, 555, 558, 559, 562, 574, 583, 584, 585, 591, 592, 593, 596, 629, 630, 635, 636, 637, 638, 647, 648, 650, 651, 652, 654, 656, 658, 665, 680, 691, 692, 694, 698, 699, 700, 703, 708, 709, 710, 711, 712, 719, 720, 725, 736, 741, 744, 749, 751, 764, 779, 780, 800, 802, 803, 804, 805, 807, 813, 814, 817, 818, 820, 821, 822, 823, 824, 825, 826, 829, 830, 833, 834, 835, 836, 837, 838, 839, 840, 842, 843, 844, 845, 846, 851, 853, 859, 863, 866, 879, 880, 885, 886, 910, 915, 916, 917, 918, 919, 920, 924, 925, 930, 932, 935, 942, 949, 951, 964, 970, 1003, 1021, 1025, 1027, 1029, 1037, 1038, 1059, 1062, 1096, 1097, 1099, 1100, 1103, 1105, 1118, 1119, 1121, 1123, 1124, 1125, 1127, 1129, 1131, 1132, 1133, 1134, 1136, 1138, 1142, 1145, 1146, 1147, 1148, 1150, 1153, 1154, 1156, 1157, 1158, 1159, 1160, 1166, 1168, 1172, 1178, 1188, 1205, 1211, 1214, 1222, 1248, 1267, 1268, 1278, 1286, 1287, 1289, 1292, 1293, 1299, 1312, 1316, 1320, 1321, 1328, 1329, 1331, 1333, 1334, 1335, 1347, 1349, 1350, 1353, 1358, 1359, 1378, 1404, 1438, 1451, 1452, 1453, 1454, 1455, 1458, 1486, 1488, 1490, 1491, 1492, 1493, 1497, 1498, 1511, 1513, 1514, 1520, 1521, 1538, 1541, 1543, 1544, 1545, 1546, 1547, 1559, 1568, 1574, 1586, 1588, 1590, 1591, 1592, 1610, 1626, 1629, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1666, 1667, 1668, 1669, 1670, 1703, 1704, 1708, 1718, 1719, 1720, 1726, 1729, 1732, 1734, 1735, 1736, 1737, 1738, 1741, 1746, 1754, 1755, 1770, 1773,

1774, 1776, 1777, 1789, 1795, 1807, 1820, 1825, 1842, 1844, 1849, 1856, 1861, 1864, 1865, 1867, 1877, 1897, 1898, 1901, 1906, 1907, 1910, 1915, 1916, 1918, 1919, 1934, 1936, 1937, 1938, 1951, 1952, 1953, 1955, 1957, 1958, 1961, 1967, 1969, 1970, 1980, 1982, 1983, 2002, 2009, 2012, 2015, 2016, 2017, 2019, 2033, 2049, 2062, 2073, 2074, 2081, 2106, 2111, 2139, 2140, 2146, 2155, 2156, 2159, 2166, 2168, 2169, 2171, 2175, 2176, 2177, 2178, 2181, 2182, 2185, 2187, 2191, 2198, 2205, 2215, 2217, 2219, 2226, 2227, 2229, 2231, 2240, 2241, 2242, 2249, 2288, 2293, 2296, 2305, 2330, 2334, 2340, 2371, 2396, 2397, 2398, 2400, 2401, 2402, 2403, 2404, 2408, 2409, 2412, 2413, 2415, 2416, 2417, 2419, 2421, 2422, 2423, 2426, 2428, 2429, 2430, 2432, 2433, 2434, 2435, 2436, 2439, 2440, 2441, 2442, 2443, 2445, 2446, 2447, 2448, 2451, 2453, 2454, 2455, 2456, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2467, 2474, 2475, 2478, 2479, 2482, 2484, 2487, 2490, 2498, 2500, 2501, 2502, 2505, 2507, 2508, 2509, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2526, 2527, 2528, 2530, 2532, 2533, 2534, 2536, 2537, 2538, 2539, 2541, 2543, 2544, 2545, 2546, 2547, 2548, 2550, 2551, 2552, 2553, 2554, 2556, 2557, 2558, 2559, 2560, 2561, 2563, 2566, 2580, 2581, 2582, 2583, 2587, 2588, 2590, 2591, 2592, 2595, 2596, 2618, 2649, 2653, 2655, 2657, 2663, 2666, 2668, 2670, 2674, 2678, 2683, 2684, 2688, 2693, 2698, 2708, 2719, 2721, 2722, 2732, 2747, 2750, 2751, 2752, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2762, 2763, 2764, 2765, 2788, 2802, 2803, 2804, 2805, 2807, 2808, 2810, 2814, 2817, 2834, 2839, 2842, 2845, 2852, 2853, 2868, 2877, 2892, 2897, 2896, 2900, 2902, 2915, 2921, 2931, 2944, 2961, 2981, 3000, 3001, 3002, 3003, 3005, 3010, 3011, 3014, 3019, 3024, 3032, 3034, 3038, 3039, 3041, 3051, 3060, 3061, 3062, 3063, 3064, 3065, 3066, 3067, 3068, 3069, 3070, 3072, 3073, 3074, 3075, 3076, 3077, 3081, 3082, 3083, 3084, 3101, 3106, 3119, 3130, 3144, 3146, 3150, 3152, 3153, 3154, 3166, 3168, 3172, 3194, 3196, 3198, 3209, 3212, 3221, 3225, 3226, 3227, 3231, 3232, 3237, 3245, 3253, 3257, 3261, 3265, 3267, 3296, 3320, 3322, 3323, 3326, 3328, 3331, 3332, 3333, 3334, 3335, 3337, 3339, 3345, 3355, 3357, 3370, 3389, 3393, 3403, 3404, 3405, 3411, 3414, 3416, 3422, 3440, 3441, 3442, 3449, 3450, 3460, 3457, 3458, 3459, 3465, 3466, 3482, 3486, 3490, 3491, 3498, 3516, 3517, 3518, 3521, 3523, 3524, 3526, 3530, 3532, 3534, 3535, 3538, 3544, 3562, 3572, 3573, 3574, 3590, 3591, 3593, 3606, 3624, 3628, 3630, 3636, 3637, 3646, 3659, 3674, 3675, 3676, 3677, 3678, 3679, 3680, 3681, 3682, 3683, 3684, 3685, 3686, 3687, 3688, 3689, 3690, 3691, 3692, 3693, 3694, 3695, 3696, 3697, 3698, 3699, 3700, 3701, 3702, 3703, 3704, 3705, 3716, 3720, 3724, 3727, 3744, 3748, 3755, 3760, 3765, 3776, 3795, 3796, 3803, 3813, 3815, 3823, 3826, 3832, 3840, 3847, 3851, 3852, 3858, 3873, 3881, 3882, 3888, 3894, 3901, 3915, 3917, 3918, 3919, 3922, 3924, 3925, 3939, 3940, 3945, 3983, 3996, 4002, 4005, 4006, 4008, 4013, 4018, 4030, 4036, 4042

CALIFORNIA ACADEMY OF SCIENCES, 19, 72, 928, 975, 1064, 1339, 1358, 1359, 1379, 1404, 2284, 2290, 2355, 2622, 2629, 2693, 2697, 2698, 2700, 2718, 2865, 2927, 2935, 3434, 3957

CALIFORNIA:ALAMEDA CO., 1172, 1182, 1195, 1913, 2134, 3205

CALIFORNIA:ALPINE CO., 1227

CALIFORNIA:AMADOR CO., 1252, 1401, 2154, 2160, 3288

CALIFORNIA BOTANICAL CLUB, 1229

CALIFORNIA:BUTTE CO., 1167, 1210, 1231, 1252, 1816, 1818, 1913, 2041, 2150, 2197, 2960

CALIFORNIA:CALAVARAS CO., 1228, 1496, 1914, 2027, 2113, 3582

CALIFORNIA:CHANNEL ISLANDS, 698, 699, 700, 821, 822, 1125, 1230, 1232, 1492, 1633, 1641, 1882, 2412, 2522, 2523, 2666, 2674, 3002, 3285, 3748, 3756

CALIFORNIA:CHANNEL ISLANDS:SAN CLEMENTE, 1230

CALIFORNIA:CHANNEL ISLANDS:SAN MIGUEL, 1230, 3756

CALIFORNIA:CHANNEL ISLANDS:SAN NICOLAS, 1125, 1230

CALIFORNIA:CHANNEL ISLANDS:SANTA BARBARA, 523, 2751

CALIFORNIA:CHANNEL ISLANDS:SANTA CATALINA, 530, 1191, 1230, 2750, 3472

CALIFORNIA:CHANNEL ISLANDS:SANTA CRUZ, 1170, 1195, 1230, 1642, 1959, 2029, 3082

CALIFORNIA:CHANNEL ISLANDS:SANTA ROSA, 1230, 2029

CALIFORNIA:COAST RANGES, 511, 560, 844, 1921, 2129, 2236

CALIFORNIA:COLUSA CO., 1818

CALIFORNIA:CONTRA COSTA CO., 1172, 1191, 2053

CALIFORNIA:DEL NORTE CO., 221, 225, 1203, 1218, 1226, 1249, 1266, 1891, 2232

CALIFORNIA:ELDORADO CO., 1193, 1202, 1985

CALIFORNIA:FARALLON ISLANDS, 3756

CALIFORNIA:FRESNO CO., 1163, 1204, 1238, 1254, 1576, 1913, 1914, 2007, 2101, 2112, 2195, 3020, 3390

CALIFORNIA:GLENN CO., 1235, 1499, 1817, 2052

CALIFORNIA:HUMBOLDT CO., 43, 812, 1172, 1218, 1226, 1988, 2097, 2594, 3329

CALIFORNIA:INYO CO., 298, 1228, 1233, 1237, 1241, 1882, 2028, 2067, 2124, 2162, 2164, 2170, 2223, 2234, 2746, 2954, 2968, 2970, 2971, 2974, 3390, 3492, 3500, 3505, 3506, 3579, 3580, 3585, 3586

CALIFORNIA:KERN CO., 243, 1210, 1913, 1916, 2174, 2201, 2203, 2207, 2218, 2236, 3717, 3718, 3719, 3721

CALIFORNIA:KINGS CO., 1934

CALIFORNIA:LAKE CO., 1228, 1191, 1210, 1221, 1259, 1817, 2011, 2063, 2066, 2083, 2391, 3340

CALIFORNIA:LASSEN CO., 1223, 1224, 1227, 1816, 1817, 1992, 2004, 2027, 2133, 2196, 2844, 3493, 3506

CALIFORNIA:LOS ANGELES CO., 1216, 1238, 1882, 2051, 2105, 2255, 2974, 3847
CALIFORNIA:MADERA CO., 1233, 1914, 2039
CALIFORNIA:MARIN CO., 884, 1161, 1172, 1195, 1201, 1205, 1226, 1236, 1257, 1495, 1789, 1956, 1978, 1993, 2024, 2032, 2054, 2065, 2072, 2082, 2091, 2093, 2095, 2096, 2100, 2117, 2188, 2189, 2895, 3188, 3284, 3297, 3329, 3496, 3610
CALIFORNIA:MARIPOSA CO., 1098, 1223, 1238, 1916, 1950, 3500
CALIFORNIA: MENDOCINO CO., 1124, 1164, 1195, 1202, 1217, 1218, 1226, 1241, 1269, 1949, 2020, 2046, 2053, 2066, 2116, 3502
CALIFORNIA:MERCED CO., 1155, 1913, 1914, 1984
CALIFORNIA:MODOC CO., 1228, 1196, 1224, 1227, 1233, 1264, 1814, 2027
CALIFORNIA:MONO CO., 276, 291, 299, 1228, 1163, 1165, 1219, 1225, 1238, 1252, 1816, 1920, 1977, 1995, 2006, 2038, 2089, 3193, 3505, 3586
CALIFORNIA:MONTEREY CO., 582, 1124, 1191, 1195, 1209, 1210, 1217, 1500, 1554, 1576, 1604, 1764, 1765, 1928, 1934, 1950, 1979, 2023, 2108, 2136, 2151, 2193, 2202, 2209, 2225, 2371, 2380, 2734, 2765, 2766, 3284, 3292, 3357, 3566, 3875
CALIFORNIA:NAPA CO., 331, 1124, 1125, 1180, 1254, 1789, 1968, 2011, 2024, 2039, 2056, 2098, 2594, 3195, 3206, 3492
CALIFORNIA:NEVADA CO., 244, 1986, 2077, 2235, 3191
CALIFORNIA (NORTHERN), 1197
CALIFORNIA:ORANGE CO., 1988
CALIFORNIA:PLACER CO., 1789, 1842, 2027, 2076, 3192
CALIFORNIA:PLUMAS CO., 1190, 1226, 1816, 2041, 2127, 2198, 2962
CALIFORNIA:RIVERSIDE CO., 1882, 1987, 1995, 3582
CALIFORNIA:SACRAMENTO CO., 1913, 1914
CALIFORNIA:SAN BENITO CO., 227, 1184, 1207, 1210, 1765, 1974, 1993, 1998, 2000, 2003, 2008, 2039, 2053, 2394, 3197, 3580
CALIFORNIA:SAN BERNARDINO CO., 5, 278, 1191, 1216, 1225, 1233, 1722, 1881, 1882, 2035, 2040, 2051, 2075, 2162, 2968, 2973, 2974, 2976
CALIFORNIA:SAN DIEGO CO., 1882, 1909, 1957, 2121, 2974, 3014, 3168, 3357, 3756
CALIFORNIA:SAN FRANCISCO, 172, 173, 339, 411, 412, 474, 475, 477, 506, 507, 814, 833, 930, 1097, 1171, 1173, 1183, 1195, 1243, 1253, 1404, 1487, 1639, 1777, 1966, 1975, 1988, 2088, 2190, 2479, 2482, 2490, 2502, 2517, 2853, 3189, 3199, 3521
CALIFORNIA:SAN FRANCISCO BAY, 136, 138, 139, 140, 141, 142, 146, 147, 149, 153, 154, 157, 158, 160, 162, 164, 165, 166, 169, 177, 183, 185, 186, 187, 188, 189, 193, 194, 196, 200, 201, 204, 205, 207, 209, 211, 212, 213, 477, 1321, 1486, 1572, 1610, 2340, 2945, 3322, 3572, 3573, 3663, 3685, 3703
CALIFORNIA:SAN FRANCISCO BAY AREA, 3, 76, 143, 190, 335, 340, 346, 352, 451, 490, 844, 845, 846, 920, 1125, 1642, 1774, 2426, 2440, 2459, 2537, 2550, 2551, 2751, 2753, 3168, 3330, 3370, 3593, 3683, 3701
CALIFORNIA:SAN JOAQUIN CO., 1212, 1913, 1988
CALIFORNIA:SAN LUIS OBISPO CO., 1177, 1182, 1191, 1196, 1217, 1473, 1761, 1762, 1921, 1925, 1929, 1930, 1931, 1932, 1933, 1934, 1998, 2023, 2108, 2172, 3293, 3455, 3497, 3502, 3612, 3876
CALIFORNIA:SAN MATEO CO., 667, 1149, 1172, 1195, 1231, 1988, 3293, 3297, 3324
CALIFORNIA:SANTA BARBARA CO., 1162, 1172, 1357, 1604, 1763, 1882, 1934, 2163, 2173, 2197, 3204, 3455, 3456, 3758
CALIFORNIA:SANTA CLARA CO., 790, 1988, 2056, 2594, 2643, 3085, 3650
CALIFORNIA:SANTA CRUZ CO., 1182, 1202, 1204, 1874, 1891, 2021, 2109, 2123, 2131, 2161, 2594, 3645, 3646, 3647, 3648, 3649
CALIFORNIA:SANTA ROSA ISLAND, 1227, 3207
CALIFORNIA:SHASTA CO., 1163, 1180, 1203, 1211, 1249, 1256, 1664, 1989, 2066, 2144, 2594, 3168
CALIFORNIA:SIERRA NEVADA, 79, 373, 437, 449, 455, 505, 511, 515, 586, 584, 585, 764, 766, 844, 850, 1141, 1151, 1152, 1163, 1180, 1184, 1193, 1199, 1538, 1633, 1638, 1774, 1777, 1891, 1901, 2078, 2119, 2120, 2124, 2125, 2126, 2138, 2142, 2192, 2288, 2463, 2464, 2467, 2501, 2505, 2578, 2670, 2672, 3190, 3208, 3217, 3260, 3370, 3402, 3714, 3900, 3997, 3998
CALIFORNIA:SISKIYOU CO., 687, 815, 1228, 1224, 1226, 1227, 1238, 1766, 2001, 2014, 2023, 2030, 2053, 2122, 2130, 2137, 2165, 2212, 2232, 3270, 3502
CALIFORNIA:SOLANO CO., 887
CALIFORNIA:SONOMA CO., 241, 242, 1172, 1179, 1209, 1233, 1234, 1818, 1891, 1954, 1990, 1993, 2011, 2018, 2024, 2026, 2084, 2222, 3287, 3325, 3329, 3332, 3501
CALIFORNIA:STANISLAUS CO., 882, 1191, 1913, 1914
CALIFORNIA:TEHAMA CO., 881, 1233, 1235, 1241, 1818, 1842, 2069, 2122
CALIFORNIA:TRINITY ALPS, 1210, 2362
CALIFORNIA:TRINITY CO., 1210, 1211, 1843, 1994, 2011, 2014, 2122, 2798, 3168
CALIFORNIA:TULARE CO., 278, 1199, 1208, 1225, 1227, 1237, 1238, 1913, 1914, 1926, 2059, 2102, 2126, 2201, 2224, 2980, 3202, 3390
CALIFORNIA:TUOLUMNE CO., 1914, 1916, 2028, 2041, 2182, 3500, 3505
CALIFORNIA:VENTURA CO., 467, 1198, 1225, 1234, 2047, 2094, 2174, 2204, 2974
CALIFORNIA:VENTURA CO.:SAN NICOLAS ISLAND, 1125
CALIFORNIA:YOLO CO., 887
CALIFORNIA:YUBA CO., 883, 1246
CALLANTHIDIUM COCKERELL 1925, 777
CALLANTHIDIUM FORMOSUM PRATENSE COCK-

ERELL 1925, 777
CALLECHELYS, 2860
CALLECHELYS FIJIENSIS SEALE 1935, 3380
CALLECHELYS PAPULOSA MCCOSKER 1998, 2860
CALLECHELYS RANDALLI MCCOSKER 1998, 2860
CALLIANASSA AFFINIS HOLMES 1900, 1908
CALLIANASSA OCCIDENTALIS STIMPSON 1856, 3572, 3573
CALLIANDRA RUPESTRIS BRANDEGEE 1905, 573
CALLIDA RUGICOLLIS HORN 1894, 1935
CALLIONYMIDAE, 1474
CALLIONYMUS ALTIPINNIS FRICKE 1981, 1474
CALLIONYMUS BENTUVIAI FRICKE 1981, 1474
CALLIONYMUS CALLIURUS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1314
CALLIONYMUS FORMOSANUS FRICKE 1981, 1474
CALLIONYMUS GUENTHERI FRICKE 1981, 1474
CALLIONYMUS KOTTHAUSI FRICKE 1981, 1474
CALLIONYMUS OCHIAII FRICKE 1981, 1474
CALLIONYMUS WHITEHEADI FRICKE 1981, 1474
CALLIOPHIS SWINHOEI VAN DENBURGH 1912, 3767
CALLIOPSIS CONCINNUS FOX 1894, 1465
CALLIOPSIS MARGARITENSIS FOX 1893, 1464
CALLIOPSIS PUGIONIS COCKERELL 1925, 776
CALLIOPSIS SCABER FOX 1894, 1465
CALLIOSTOMA BONITA STRONG & HANNA & HERTLEIN 1933, 3601
CALLIOSTOMA FORMOSUM CARPENTER 1864, 698
CALLIOSTOMA HANNIBALI HERTLEIN & JORDAN 1927, 1873
CALLIOSTOMA LIGNITICA COOPER 1896, 863
CALLIOSTOMA REMA STRONG & HANNA & HERTLEIN 1933, 3601
CALLIOSTOMA SPLENDENS CARPENTER 1864, 698
CALLIOSTOMA SUPRAGRANOSUM CARPENTER 1866, 700
CALLIOSTOMA TRICOLOR GABB 1865, 1492
CALLIOSTOMA TROPICA ANDERSON 1929, 50
CALLIPROA CAURANTEA KELLOGG 1859, 2467
CALLISIA SCOPULORUM BRANDEGEE 1901, 568
CALLISTEMON, 1150, 1154
CALLISTOCHITON DECORATUS FERMINICUS BERRY 1921, 397
CALLISTOMA PACIFICUM ANDERSON & MARTIN 1914, 53
CALLITHAMNION ENDOVAGUM SETCHELL & GARDNER 1924, 3387
CALLITHAMNION RUPICOLUM ANDERSON 1894, 42
CALLOMYIA GILLOGLYORUM KESSEL 1961, 2603
CALLOMYSIS HOLMES 1895, 1906
CALLOMYSIS MACULATA HOLMES 1895, 1906
CALLOPHYLLIS JOHNSTONII SETCHELL & GARDNER 1924, 3387
CALLYMENIA ANGUSTATA SETCHELL & GARDNER 1937, 3389
CALLYMENIA PERTUSA SETCHELL & GARDNER 1924, 3387
CALOCHORTUS, 1918, 1921
CALOCHORTUS AMABILIS PURDY 1901, 3168
CALOCHORTUS CONCOLOR PURDY 1901, 3168
CALOCHORTUS DUNNII PURDY 1901, 3168
CALOCHORTUS INDECORUS OWENBEY & PECK 1954, 3096
CALOCHORTUS LILACINUS KELLOGG 1858, 2454
CALOCHORTUS LOBBII PURDY 1901, 3168
CALOCHORTUS MACULATUS EASTWOOD 1934, 1180
CALOCHORTUS PRATENSIS (PURDY) HOOVER 1940 [COMB. NOV.], 1918
CALOCHORTUS PURDYI EASTWOOD 1898, 1125
CALOCHORTUS SHASTENSIS PURDY 1901, 3168
CALOCHORTUS SUPERBUS HOWELL 1932, 1950
CALOCHORTUS SUPERBUS VAR. PRATENSIS HOWELL 1932, 1950
CALOCHORTUS WESTONI EASTWOOD 1931, 1146
CALOCORIS VIGENS UHLER 1894, 3728
CALODERA ATTENUATA CASEY 1885, 708
CALODERMA ANGULATUM CASEY 1886, 709
CALODERMA CASEY 1886, 709
CALODERMA CONTINENS CASEY 1886, 709
CALODERMA CONTRACTUM CASEY 1886, 709
CALODERMA LUCULENTUM CASEY 1886, 709
CALODERMA MOBILE CASEY 1886, 709
CALODERMA REDUCTUM CASEY 1886, 709
CALODERMA RUGOSUM CASEY 1886, 709
CALODERMA TANTILLUM CASEY 1886, 709
CALOSOMA DARWINIA VAN DYKE 1953, 3818
CALOSPASTA DECOLORATA HORN 1894, 1935
CALOTES CHINCOLLIUM VINDUM ET AL. 2003, 3834
CALOTHAMNUS, 1150, 1169
CALOTHRIX CLAUSA SETCHELL & GARDNER 1930, 3388
CALOTHRIX CODICOLA SETCHELL & GARDNER 1930, 3388
CALOTHRIX LAURENCIAE SETCHELL & GARDNER 1937, 3389
CALOTHRIX NIDULANS SETCHELL & GARDNER 1924, 3387
CALOTHRIX NODULOSA SETCHELL & GARDNER 1924, 3387
CALTHA, 3326
CALYCADENIA PLUMOSA KELLOGG 1873, 2569
CALYCADENIA TRUNCATA SUBSP. MICROCEPHALA HALL 1946, 2391
CALYCADENIA TRUNCATA SUBSP. SCABRELLA (DREW) KECK 1946 [COMB. NOV.], 2391
CALYCILEPIDOTUS AYRES 1855, 166, 212
CALYCILEPIDOTUS SPINOSUS AYRES 1855, 166, 212
CALYCOSERIS WRIGHTII VAR. CALIFORNICA BRANDEGEE 1901, 567
CALYPTODERA ROBUSTA VAN DUZEE 1923, 3802

CALYPTODERA VAN DUZEE 1923, 3802
CALYPTRAEA BURCHI SMITH & GORDON 1948, 3449
CALYPTRIDIUM, 2059, 3203
CALYPTRIDIUM PARRYI VAR. HESSEAE THOMAS 1956, 3646
CALYPTRIDIUM PULCHELLUM (EASTWOOD) HOOVER 1940 [COMB. NOV.], 1917
CALYPTROGYNE KUNORUM DE NEVERS 1995, 1049
CALYPTROGYNE PUBESCENS DE NEVERS 1995, 1049
CALYPTROPHORA BAYERI CAIRNS 2007, 670
CALYPTROPHORA LAEVISPINOSA CAIRNS 2007, 670
CALYSTEGIA VILLOSA KELLOGG 1873, 2567
CAMARHYNCHUS AUREUS SWARTH 1929, 3618
CAMARHYNCHUS CONJUNCTUS SWARTH 1929, 3618
CAMARINA AYRES 1861, 175
CAMARINA NIGRICANS AYRES 1861, 175
CAMASSIA QUAMASH VAR. LINEARIS (GOULD) HOWELL 1948 [STAT. NOV.], 2100
CAMBRIAN, 1360
CAMEROUN, 3280
CAMPANULA ANGUSTIFLORA EASTWOOD 1898, 1125
CAMPANULA ANGUSTIFLORA VAR. EXILIS HOWELL 1938, 2003
CAMPANULA FILIFLORA KELLOGG 1858, 2455
CAMPONOTUS COCOSENSIS WHEELER 1919, 3891
CAMPONOTUS ERYTHROPUS PERGANDE 1893, 3112
CAMPONOTUS FRAGILIS PERGANDE 1893, 3112
CAMPONOTUS FRONTALIS PERGANDE 1895, 3114
CAMPONOTUS PUNCTULATUS VAR. RUFICORNIS PERGANDE 1895, 3114
CAMPONOTUS SAYI BICOLOR PERGANDE 1894, 3113
CAMPONOTUS TEPICANUS PERGANDE 1895, 3114
CAMPOSPORIUM ANTENNATUM HARKNESS 1884, 1773
CAMPOSPOSORIUM HARKNESS 1884, 1773
CAMPSICNEMIS DEGENER WHEELER 1899, 3889
CAMPSICNEMUS OEDIPUS WHEELER 1899, 3889
CAMPSICNEMUS PHILOCTTETES WHEELER 1899, 3889
CAMPSICNEMUS THERSITES WHEELER 1899, 3889
CAMPTOBROCHIS FENESTRATUS VAN DUZEE 1917, 3795
CAMPTOBROCHIS SLEVINI VAN DUZEE 1925, 3804
CAMPTOBROCHYS BOREALIS VAN DUZEE 1920, 3797
CAMPTOBROCHYS MANITOU VAN DUZEE 1920, 3797
CAMPYLODISCUS PRENTISSI HANNA & GRANT 1926, 1748
CAMPYLOMMA CITRINA CARVALHO 1968, 706
CAMPYLOPUS INSULARIS BARTRAM 1933, 311
CANACCE CAVAGNAROI WIRTH 1969, 3992
CANACEOIDES ANGULATUS WIRTH 1969, 3991
CANACEOIDES BALBOAI WIRTH 1969, 3991
CANACEOIDES HAWAIIENSIS WIRTH 1969, 3991
CANACEOIDES SCUTELLATUS WIRTH 1969, 3991
CANACEOIDES SETOSUS WIRTH 1969, 3991
CANACEOIDES SPINOSUS WIRTH 1969, 3991
CANACEOIDES TENUISTYLUS WIRTH 1969, 3991
CANADA, 295, 1006, 1206, 1279, 1727, 1847, 1948, 2350, 2352, 2354, 2457, 2680, 2735, 2811, 2913, 3107, 3156, 3218, 3621, 3622, 3776, 3794, 3799, 3932, 3975
CANADA:BRITISH COLUMBIA, 44, 244, 1181, 1634, 1727, 1937, 1938, 2334, 2354, 2357, 2913, 3877
CANADA:BRITISH COLUMBIA:VANCOUVER, 2901
CANADA:QUEEN CHARLOTTE ISLANDS, 1206, 2357, 2913
CANADA:YUKON, 304, 1186, 1238
CANCELLARIA CIBARCOLA ANDERSON 1929, 50
CANCELLARIA CIRCUMCINCTA DALL 1873, 944
CANCELLARIA CODAZZII ANDERSON 1929, 50
CANCELLARIA CONDONI ANDERSON 1905, 45
CANCELLARIA CRASSA WARING 1917, 3858
CANCELLARIA DALLIANA ANDERSON 1905, 45
CANCELLARIA EMYDIS DALL & OCHSNER 1928, 954
CANCELLARIA JOAQUINENSIS ANDERSON 1905, 45
CANCELLARIA KARSTENI ANDERSON 1929, 50
CANCELLARIA LICKANA ANDERSON & MARTIN 1914, 53
CANCELLARIA (NARONA) COOPERII GABB 1865, 1492
CANCELLARIA NEVADENSIS ANDERSON & MARTIN 1914, 53
CANCELLARIA PACIFICA ANDERSON 1905, 45
CANCELLARIA POSUNCULENSIS ANDERSON & MARTIN 1914, 53
CANCELLARIA ROTUNDA ANDERSON & MARTIN 1914, 53
CANCELLARIA SANJOSEI ANDERSON & MARTIN 1914, 53
CANCELLARIA SCHEIBEI ANDERSON 1929, 50
CANCELLARIA SIMPLEX ANDERSON 1905, 45
CANCELLARIA UNALASHKENSIS DALL 1873, 944
CANCELLARIA VESPERTINA ANDERSON 1905, 45
CANCER ANTENNARIA STIMPSON 1856, 3572, 3573
CANELLARIA HETTNERI ANDERSON 1929, 50
CANTHARUS FILARIS GARRITT 1872, 1508
CANTHARUS PERRINI DICKERSON 1915, 1057
CANTHON OBLIQUUS HORN 1894, 1935
CAPE VERDE ARCHIPELAGO, 2879
CAPRELLA CALIFORNICA STIMPSON 1856, 3572, 3573
CAPRELLA SPINOSA LOCKINGTON 1874, 2748
CAPRELLA TUBERCULATA LOCKINGTON 1877, 2751

CAPRIFICATION, 1341
CAPRINULOIDEA BISULCATA PALMER 1928, 3050
CAPRINULOIDEA COSTATA PALMER 1928, 3050
CAPRINULOIDEA MULTITUBIFERA PALMER 1928, 3050
CAPRINULOIDEA PERFECTA GRACILIS PALMER 1928, 3050
CAPRINULOIDEA SEPTATA PALMER 1928, 3050
CARABIDAE:BEMBIDIINA AND ANILLINA, 1361
CARANGIDAE, 3475
CARANGULUS JORDAN & EVERMANN 1927, 2348
CARANX MEDUSICOLA JORDAN & STARKS 1895, 2333
CARANX SYMMETRICUS AYRES 1855, 160, 207
CARANX TENEBROSUS JORDAN, EVERMANN & WAKIYA 1927, 2339
CARBONIFEROUS, 1070, 3445, 3841, 3843
CARCHARHINIFORMES:CARCHARHINIDAE, 793, 794
CARCHARHINIFORMES:TRIAKIDAE, 795
CARCHARIAS AZUREUS GILBERT & STARKS 1904, 1555
CARCHARODON, 2337
CARCHARODON CARCHARIAS, 2868
CARCHARODON MORRICEI JORDAN 1926, 2337
CARCHARODON TEMBLORIS JORDAN 1926, 2337
CARCINOPS GALAPAGOENSIS VAN DYKE 1953, 3818
CARDAMINE CRENATA BRANDEGEE 1901, 568
CARDAMINE CUNEATA GREENE 1885, 1634
CARDAMINE MACROCARPA BRANDEGEE 1908, 575
CARDITA ALTICOSTA COOPER 1896, 863
CARDITA SUPERIORIS WARING 1917, 3858
CARDITA VENTRICOSA MONTEREYENSIS SMITH & GORDON 1948, 3449
CARDIUM CROCKERI STRONG & HERTLEIN 1937, 3602
CARDIUM GABBII REMOND 1863, 3226
CARDIUM PUEBLOENSE ANDERSON 1929, 50
CARDIUM WEAVERI ANDERSON & MARTIN 1914, 53
CARDUUS, 2019
CAREPROCTUS FILAMENTOSUS STEIN 1978, 3560
CAREPROCTUS MICROSTOMUS STEIN 1978, 3560
CAREPROCTUS OREGONENSIS STEIN 1978, 3560
CAREX, 1849, 2078, 2089, 2119, 2128, 2134, 2177, 2182, 3492, 3493, 3494, 3495, 3496, 3497, 3498, 3499, 3500, 3501, 3502, 3503, 3504, 3505, 3506
CAREX ATHABASCENSIS HERMANN 1957, 1847
CAREX BIPARTITA VAR. AUSTROMONTANA HERMANN 1963, 1850
CAREX CAMPYLOCARPA SSP. AFFINIS MAQUIRE & HOLMGREN 1946, 2800
CAREX CONSTANCEANA STACEY 1938, 3504
CAREX CURATORIUM STACEY 1937, 3498
CAREX DANAENSIS STACEY 1939, 1844, 3505
CAREX EASTWOODIANA STACEY 1938, 3504
CAREX EURYSTACHYA HERMANN 1957, 1847
CAREX INCONDITA HERMANN 1957, 1847
CAREX INCURVIFORMIS VAR. DANAENSIS (STACEY) HERMANN 1955 [COMB. NOV.], 1844
CAREX JEPSONII HOWELL 1958, 2182
CAREX LIMNOPHILA HERMANN 1956, 1846
CAREX MARIANENSIS STACEY 1937 [NOM. NOV.], 3499
CAREX MONILE VAR. PACIFICA BAILEY 1891, 228
CAREX OBISPOENSIS STACEY 1936, 3497
CAREX OBNUPTA BAILEY 1891, 228
CAREX PACHYSTACHYLA F. MONDS-COULTERI (KELSO) HERMANN 1959 [STAT. NOV.], 1848
CAREX PHAEOCEPHALA F. EASTWOODIANA (STACEY) HERMANN 1959 [STAT. NOV.], 1848
CAREX PLECTOCARPA HERMANN 1964, 1851
CAREX PRACTICOLA VAR. SUBCORIACEA HERMANN 1957, 1847
CAREX QUADRIFIDA BAILEY 1891, 228
CAREX QUADRIFIDA VAR. LENIS BAILEY 1891, 228
CAREX SCOPULORUM VAR. BRACTEOSA (BAILEY) HERMANN 1959 [TRANS. NOV.], 1848
CAREX SONOMENSIS STACEY 1937, 3501
CAREX SPECUICOLA HOWELL 1949, 2104
CAREX STENOPTILA HERMANN 1945, 1841
CAREX SUBNIGRICANS STACEY 1939, 2089, 3505
CAREX TOMPKINSI HOWELL 1961, 2195
CARIBBEAN, 1314, 1837, 2914, 2916, 3158
CARINIFEX OCCIDENTALIS HANNA 1924, 1729
CARLIA NIGRAURIS ZUG 2010, 4032
CARLOWRIGHTIA? FIMRIATA BRANDEGEE 1891, 541
CARLOWRIGHTIA? PECTINATA BRANDEGEE 1891, 541
CAROLINE ISLANDS, 3471
CAROLWRIGHTIA ANGUSTIFOLIA BRANDEGEE 1908, 575
CAROLWRIGHTIA CALIFORNICA BRANDEGEE 1901, 568
CARPOCORIS SULCATUS VAN DUZEE 1918, 3796
CARSON STATE PRISON FOOTPRINTS, 1540, 1772, 2673
CARTHAMUS, 131, 2073
CARYCHIUM AMGNIFICUM HANNA 1923, 1727
CARYOPHYLLIA CALIFORNICA VAUGHAN 1903, 126
CARYOPHYLLIA PEDROËNSIS VAUGHAN 1903, 126
CASE (ELIPHALET LEWIS), 1043
CASSIA, 2254
CASSIA FULCA BRANDEGEE 1908, 575
CASSIA PURPUSI BRANDEGEE 1908, 575
CASSIDA EXPANSA GRESSITT 1952, 1661
CASSIDA IMITATRIX GRESSITT 1952, 1661
CASSIDA INFLATA GRESSITT 1952, 1661
CASSIDA INSULANA GRESSITT 1952, 1661
CASSIDA LATICOLLIS GRESSITT 1952, 1661

CASSIDA QUADRIRAMOSA GRESSITT 1952, 1661
CASSIDA RUBIGINOSA TAIWANA GRESSITT 1952, 1661
CASSIDA SIKANGA GRESSITT 1952, 1661
CASSIDULUS CALIFORNICUS ANDERSON 1905, 45
CASSIS DALLI ANDERSON 1929, 50
CASSIS SUBTUBEROSA HANNA 1926, 1732
CASTANEA SEMPERVIRENS KELLOGG, 2449, 2560
CASTILLEIA BROOKSII EASTWOOD 1902, 1141
CASTILLEIA BRYANTI BRANDEGEE 1889, 524
CASTILLEIA DISTICHA EASTWOOD 1902, 1141
CASTILLEIA GUADALUPENSIS BRANDEGEE 1901, 568
CASTILLEIA NANA EASTWOOD 1902, 1141
CASTILLEJA ADENOPHORA EASTWOOD 1941, 1233
CASTILLEJA AFFINIS VAR. CONTENTIOSA (MACBR.) BACIGALUPI 1966 [COMB. NOV.], 222
CASTILLEJA BARNEBYANA EASTWOOD 1941, 1233
CASTILLEJA BREWERI VAR. PALLIDA EASTWOOD 1940, 1227
CASTILLEJA DOLICHOSTYLUS EASTWOOD 1941, 1233
CASTILLEJA ELKOENSIS EDWIN 1959, 1305
CASTILLEJA EWANI EASTWOOD 1941, 1233
CASTILLEJA EXCELSA EASTWOOD 1940, 1224
CASTILLEJA EXIMIA EASTWOOD 1936, 1186
CASTILLEJA FILIFOLIA EASTWOOD 1940, 1224
CASTILLEJA GLOBOSA EASTWOOD 1940, 1224
CASTILLEJA HOFFMANNI EASTWOOD 1942, 1234
CASTILLEJA INORNATA EASTWOOD 1941, 1233
CASTILLEJA JEPSONII BACIGALUPI & HECKARD 1966, 227
CASTILLEJA JUSSELII EASTWOOD 1940, 1224
CASTILLEJA KUSCHEI EASTWOOD 1936, 1186
CASTILLEJA LASSENENSIS EASTWOOD 1940, 1224
CASTILLEJA LATIFOLIA SUBSP. CARMELENSIS EASTWOOD 1936, 1195
CASTILLEJA LATIFOLIA SUBSP. INSULARIS EASTWOOD 1936, 1195
CASTILLEJA LATIFOLIA SUBSP. MENDOCINENSIS EASTWOOD 1936, 1195
CASTILLEJA LATIFOLIA SUBSP. PINNATIFIDA EASTWOOD 1936, 1195
CASTILLEJA LATIFOLIA VAR. RUBRA (PENNELL) HOWELL 1948 [STAT. NOV.], 2100
CASTILLEJA LESCHKEANA HOWELL 1948, 2096
CASTILLEJA MAGNISTYLIS EDWIN 1959, 1305
CASTILLEJA MEXIAE EASTWOOD 1936, 1186
CASTILLEJA MULTISECTA EASTWOOD 1935, 1184, 1187
CASTILLEJA MUSCIPULA EASTWOOD 1940, 1224
CASTILLEJA MUSCIPULA VAR. ANGUSTIFOLIA EASTWOOD 1940, 1224
CASTILLEJA MUSCIPULA VAR. ARMENIACA EASTWOOD 1940, 1224
CASTILLEJA NEVADENSIS EASTWOOD 1935, 1184
CASTILLEJA OCHRACEA EASTWOOD 1941, 1233
CASTILLEJA PALLESCENS VAR. INVERTA EDWIN 1959 [COMB. NOV.], 1306
CASTILLEJA PANNOSA EASTWOOD 1942, 1234
CASTILLEJA PAYNEAE EASTWOOD 1940, 1224
CASTILLEJA PEIRSONI EASTWOOD 1935, 1184
CASTILLEJA POLYTOMA EASTWOOD 1935 [SUB. NAME], 1187
CASTILLEJA PYRAMIDALIS EDWIN 1959, 1305
CASTILLEJA ROSEANA EASTWOOD 1938, 1209
CASTILLEJA RUBIDA VAR. MONOENSIS (JEPSON) EDWIN 1959 [COMB. NOV.], 1306
CASTILLEJA SALTICOLA EASTWOOD 1940, 1227
CASTILLEJA TRAINII EDWIN 1959, 1305
CASTILLEJA ULIGINOSA EASTWOOD 1942, 1234
CASTILLEJA ZIONIS EASTWOOD 1941, 1233
CASTILLEJE HOWELLII EASTWOOD 1941, 1233
CATABLEMELLA C.H.EIGENMANN & R.S.EIGENMANN 1890, 1320
CATALOG (COLLECTION), 100, 676, 705, 776, 777, 780, 860, 1790, 2749, 2755, 2758, 3354
CATALOG (SPECIES), 125, 506, 507, 789, 977, 1460, 1777, 2626, 2749, 2755, 2758, 3107, 3839
CATALOG (TYPES), 98, 916, 3109, 3230, 3435
CATOCALA AUGUSTA EDWARDS 1875, 1292
CATOCALA CASSANDRA EDWARDS 1875, 1293
CATOCALA CLEOPATRA EDWARDS 1875, 1293
CATOCALA HIPPOLYTA EDWARDS 1875, 1293
CATOCALA LUCIANA EDWARDS 1875, 1293
CATOCALA MARIANA EDWARDS 1875, 1293
CATOCALA PERDITA EDWARDS 1875, 1293
CATOLACCUS TEPICENSIS ASHMEAD 1895, 130
CATONIA ALBICOSTA VAN DUZEE 1917, 3795
CATONIA CLARA VAN DUZEE 1917, 3795
CATONIA HELENAE VAN DUZEE 1918, 3796
CATONIA NECOPINA VAN DUZEE 1918, 3796
CATOSTOMUS LABIATUS AYRES 1855, 150, 197
CATOSTOMUS OCCIDENTALIS AYRES 1854, 143, 190
CAULANTHUS CRASSICAULIS VAR. MAJOR JONES 1895, 2326
CAULERPA VANBOSSEAE SETCHELL & GARDNER 1924, 3387
CAVERNOCYMBIUM PRENTOGLEI UBICK 2005, 3724
CAVERNOCYMBIUM VETTERI UBICK 2005, 3724
CAVERNULARIA VANSYOCI WILLIAMS 2005, 3955
CAYMAN ISLANDS, 1471
CEANOTHUS, 516, 2011, 2016, 2022, 2024, 2027, 2889
CEANOTHUS ARBOREUS GREENE 1886, 1641
CEANOTHUS AZAREUS KELLOGG 1855, 2428, 2538
CEANOTHUS CALIFORNICUS KELLOGG 1855, 2428, 2538
CEANOTHUS CONFUSUS HOWELL 1939, 2011
CEANOTHUS CORDULATUS KELLOGG 1861, 2493
CEANOTHUS CUNEATUS VAR. DUBIUS HOWELL 1943, 2056

CEANOTHUS CUNEATUS VAR. FASCICULARIS (MCMINN) HOOVER 1966 [COMB. NOV.], 1934
CEANOTHUS CUNEATUS VAR. RIGIDUS (NUTT.) HOOVER 1966 [COMB. NOV.], 1934
CEANOTHUS CYANEUS EASTWOOD 1927, 1143
CEANOTHUS DIVERSIFOLIUS KELLOGG 1855, 2437, 2545
CEANOTHUS GLORIOSUS HOWELL 1937, 1993
CEANOTHUS GLORIOSUS VAR. EXALTATUS HOWELL 1937, 1993
CEANOTHUS GLORIOSUS VAR. PORRECTUS HOWELL 1944, 2065
CEANOTHUS GREGGII VAR. LANUGINOSA JONES 1895, 2326
CEANOTHUS INSULARIS EASTWOOD 1927, 1143
CEANOTHUS JEPSONII VAR. ALBIFLORUS HOWELL 1943, 2056
CEANOTHUS NEVADENSIS KELLOGG 1862, 2498
CEANOTHUS OLIGANTHUS VAR. SOREDIATUS (H. & A.) HOOVER 1966 [COMB. NOV.], 1934
CEANOTHUS PALMERI TRELEASE 1888, 3705
CEANOTHUS PARRYI TRELEASE 1888, 3705
CEANOTHUS SONOMENSIS HOWELL 1939, 2011
CEANOTHUS UTAHENSIS EASTWOOD 1927, 1143
CEANOTHUS VELUTINUS VAR. HOOKERI JOHNSTON 1963 [NOM. NOV.], 2315
CEBIDICHTHYS AYRES 1855, 158, 205
CEBIDICHTHYS CRISTA-GALLI AYRES 1855, 158, 205
CEBRIO KNAUSI VAN DYKE 1932, 3816
CECLEUS MONILIPENNIS VAN DUZEE 1923, 3802
CECLEUS SUBREFLEXUS VAN DUZEE 1925, 3804
CELESTUS HANCOCKI SLEVIN 1928, 3423
CELL MORPHOLOGY, 668, 2254, 2664, 3044, 3941
CENOZOIC, 8, 9, 10, 47, 48, 49, 50, 51, 53, 126, 128, 310, 725, 800, 837, 838, 839, 863, 925, 954, 1058, 1059, 1063, 1061, 1062, 1105, 1438, 1481, 1559, 1726, 1736, 1737, 1746, 1753, 1754, 1831, 1860, 1861, 1863, 1867, 1868, 1869, 1871, 1873, 2346, 2347, 2610, 2611, 2769, 2817, 2900, 2921, 3042, 3128, 3225, 3226, 3227, 3266, 3320, 3465, 3466, 3699, 3867, 3868, 3881, 3882, 3894, 4018, 4030, 4035, 4038, 4040, 4042
CENTAUREA, 386, 1973
CENTRAL AMERICA (see also MESOAMERICA), 29, 30, 32, 33, 36, 49, 722, 754, 816, 961, 968, 1035, 1049, 1331, 1416, 1471, 1562, 1567, 1569, 1570, 1643, 1796, 1945, 2294, 2410, 2640, 2779, 2831, 2908, 2992, 2993, 3155, 3158, 3214, 3308, 3366, 3428, 3430, 3431, 3432, 3434, 3571, 3588, 3639, 3859, 4037
CENTRANTHUS, 1401
CENTRARCHUS MACULOSUS AYRES 1854, 137, 184
CENTRIOPERA ASPERATA SUBORNATA BLAISDELL 1923, 405
CENTRIOPTERA ANGULARIS HORN 1894, 1935
CENTRIOPTERA ASPERATA DISCRETA BLAISDELL 1923, 405
CENTRIOPTERA ASPERATA PLANATA BLAISDELL 1923, 405
CENTRIOPTERA CHAMBERLINI BLAISDELL 1923, 405
CENTRIOPTERA MICHELBACHERI BLAISDELL 1943, 410
CENTRIOPTERA SCULTPIVENTRIS BLAISDELL 1923, 405
CENTRIS COCKERELLI RESOLUTA COCKERELL 1923, 774
CENTRIS EISENII FOX 1893, 1464
CENTRIS MUSTELINA FOX 1893, 1464
CENTRIS PALLIDA CALLOGNATHA COCKERELL 1923, 774
CENTRIS RHODOLEUCA COCKERELL 1923, 774
CENTRIS TIBURONENSIS COCKERELL 1923, 774
CENTRIS TRICHOSOMA COCKERELL 1923, 774
CENTRIS VANDUZEEI COCKERELL 1923, 774
CENTRODERA AUTUMNATA LEECH 1963, 2680
CENTRODERA DAYI LEECH 1963, 2680
CENTROSTEGIA, 1582
CENTROSTEGIA THURBERI VAR. MACROTHECA (HOWELL) GOODMAN 1957 [COMB. NOV.], 1582
CEPHALISPA AZUREA COURI & PONT & PENNY 2006, 875
CEPHALISPA CURTA COURI & PONT & PENNY 2006, 875
CEPHALOON BICOLOR HORN 1896, 1937
CEPHALOON PICEUM HORN 1896, 1937
CEPHALOPODS, 1487, 1825, 3846
CERACIS SIMILIS HORN 1894, 1935
CERAEOCHRYSA ACHILLEA FREITAS & PENNY & ADAMS 2009, 1471
CERAEOCHRYSA ANGUSTA FREITAS & PENNY & ADAMS 2009, 1471
CERAEOCHRYSA BELIZENSIS FREITAS & PENNY & ADAMS 2009, 1471
CERAEOCHRYSA BITACORNUA FREITAS & PENNY & ADAMS 2009, 1471
CERAEOCHRYSA CHIRICAHUAE FREITAS & PENNY & ADAMS 2009, 1471
CERAEOCHRYSA CURVABILIS FREITAS & PENNY & ADAMS 2009, 1471
CERAEOCHRYSA DEROSPOGON FREITAS & PENNY & ADAMS 2009, 1471
CERAEOCHRYSA DIGITATA FREITAS & PENNY & ADAMS 2009, 1471
CERAEOCHRYSA DISLEIS DE FREITAS & PENNY 2001, 1045
CERAEOCHRYSA DIVERTICULA FREITAS & PENNY & ADAMS 2009, 1471
CERAEOCHRYSA DOLICHOSVELA DE FREITAS & PENNY 2001, 1045
CERAEOCHRYSA FORCIPATA FREITAS & PENNY & ADAMS 2009, 1471
CERAEOCHRYSA PANAMENSIS FREITAS & PENNY

& ADAMS 2009, 1471
CERAEOCHRYSA SQUAMA DE FREITAS & PENNY 2001, 1045
CERAMBYCIDAE, 2736
CERAMIUM AFFINAE SETCHELL & GARDNER 1930, 3388
CERAMIUM BICORNE SETCHELL & GARDNER 1924, 3387
CERAMIUM CAUDATUM SETCHELL & GARNDER 1924, 3387
CERAMIUM CLARIONENSIS SETCHELL & GARDNER 1930, 3388
CERAMIUM CODIOPHILA SETCHELL & GARDNER 1937, 3389
CERAMIUM EVERMANNII SETCHELL & GARDNER 1930, 3388
CERAMIUM HOWELLII SETCHELL & GARDNER 1937, 3389
CERAMIUM INTERRUPTUM SETCHELL & GARDNER 1924, 3387
CERAMIUM JOHNSTONII SETCHELL & GARDNER 1924, 3387
CERAMIUM ORNATUM SETCHELL & GARDNER 1930, 3388
CERAMIUM PERSONATUM SETCHELL & GARDNER 1930, 3388
CERAMIUM PROCUMBENS SETCHELL & GARDNER 1924, 3387
CERAMIUM SERPENS SETCHELL & GARDNER 1924, 3387
CERAMIUM SINICOLA SETCHELL & GARDNER 1924, 3387
CERAMIUM TEMPLETONII SETCHELL & GARDNER 1937, 3389
CERAMIUM ZACAE SETCHELL & GARDNER 1937, 3389
CERASTES CERASTES GASPERETTII LEVITON & ANDERSON 1967, 2702
CERASTIUM LITHOPHILUM GREENMAN 1904, 1660
CERASTIUM MICROPETALUM GREENMAN 1904, 1660
CERASTIUM PURPUSI GREENMAN 1904, 1660
CERATAULUS IMPERATOR HANA & GRANT 1926, 1748
CERATICELUS CREOLUS CHAMBERLIN 1925, 718
CERATICELUS NESIOTES CROSBY 1924, 717
CERATINA ARIZONENSIS VAN DUZEEI COCKERELL 1924, 775
CERATINA MELANOPTERA COCKERELL 1924, 775
CERATINOPSIS ATOLMUS CHAMBERLIN 1925, 718
CERATINOPSIS ROSEA BANKS 1898, 259
CERATITES VOGDESI SMITH 1904, 3464
CERATOCAPSUS APICATUS VAN DUZEE 1921, 3798
CERATOCAPSUS FUSIFORMIS VAN DUZEE 1917, 3795
CERATOGLANIS, 1811
CERATOGLANIS PACHYNEMA HEE 1999, 1811
CERATONEURA MEXICANA ASHMEAD 1895, 130
CERATOPHEIDOLE PERGANDE 1895, 3114
CERATOSOMA, 1602
CERATOSOMA ALLENI GOSLINER 1996, 1602
CERATOSOMA INGOZI GOSLINER 1996, 1602
CERCIDIUM MOLLE JOHNSTON 1924, 2313
CERCOCARPUS ARIZONICUS JONES 1891, 2319
CERCOCARPUS TRASKIAE EASTWOOD 1898, 1125
CERCOSPORA GARRYAE HARKNESS 1884, 1773
CERCOSPORA GLOMERATA HARKNESS 1885, 1774
CERCOSPORA HETEROMELES HARKNESS 1884, 1773
CERCOSPORA RAFINESQUIAE HARKNESS 1884, 1773
CERCYON RUFESCENS HORN 1895, 1936
CERDALE BILINEATUS CLARK 1936, 755
CERENOPUS ANGUSTATUS HORN 1894, 1935
CERENOPUS ATERRIMUS HORN 1894, 1935
CEREUS ERUCA BRANDEGEE 1889, 524
CEREUS PENSILIS BRANDEGEE 1904, 522
CEREUS SCIURUS BRANDEGEE 1904, 522
CEREUS STRIATUS BRANDEGEE 1891, 544
CEREUS VAGRANS BRANDEGEE 1904, 522
CERITHIOPSIS CASSI BAKER & HANNA & STRONG 1938, 237
CERITHIOPSIS GUADALUPENSIS STRONG 1938, 3597
CERITHIOPSIS KINOI BAKER & HANNA & STRONG 1938, 237
CERITHIOPSIS OREGONENSIS DICKERSON 1914, 1055
CERITHIOPSIS PORTERI BAKER & HANNA & STRONG 1938, 237
CERITHIOPSIS SUBGLORIOSA BAKER & HANNA & STRONG 1938, 237
CERITHIUM ARNOLDI ANDERSON & MARTIN 1914, 53
CEROPLASTES PSIDII CISTUDIFORMIS COCKERELL 1893, 772
CERRALVO ISLAND, 263, 264, 1868
CESONIA CLASSICA CHAMBERLIN 1924, 717
CESONIA MEXICANA BANKS 1898, 259
CESONIA TRIVITTATA BANKS 1898, 259
CESTRUM ARBORESCENS BRANDEGEE 1908, 577
CETACEA:MYSTICETI, 2590, 4030
CEUTORHYCNCHUS PERVESTITUS HALL 1901, 1718
CHAENACTIS DOUGLASII VAR. MONTANA JONES 1895, 2327
CHAENACTIS SCAPOSA EASTWOOD 1891, 1111
CHAENOPSIDAE, 3298
CHAETODON FALCIFER HUBBS & RECHNITZER 1958, 2246
CHAETODON MULTICINCTUS GARRETT 1863, 1505
CHAETOLEON VARIABLIS BANKS 1942, 262
CHAETOSPHAERIA ORNATA HARKNESS 1884, 1773

CHAETOSTOMUS MOLLINASUS PEARSON 1937, 3088
CHAITOPHORUS JAPONICA ESSIG & KUWANA 1918, 1376
CHAITOPHORUS SALIJAPONICA ESSIG & KUWANA 1918, 1376
CHALARA SETOSA HARKNESS 1885, 1774
CHAMAESIPHON CLAVATUS SETCHELL & GARDNER 1930, 3388
CHAMA PHONEA DALL & OCHSNER 1928, 954
CHAMA SCHEIBEI ANDERSON 1929, 50
CHAMISSO (ADELBERT VON), 1248
CHAPERIA SOCIALIS PALMER 1928, 3050
CHARACODON EISENI RUTTER 1896, 3345
CHARIESSA LEMBERTI RIVERS 1894, 3269
CHARINA, 3774
CHARINA BOTTAE UTAHENSIS VAN DENBURGH 1920, 3774
CHASMODES JENKINSI JORDAN & EVERMANN 1896, 2334
CHECKLIST, 179, 260, 368, 477, 482, 523, 552, 630, 746, 813, 817, 831, 832, 1125, 1147, 1150, 1159, 1160, 1166, 1171, 1173, 1178, 1183, 1205, 1214, 1451, 1642, 1777, 1937, 2253, 2276, 2318, 2574, 2618, 2621, 2625, 2644, 2712, 2734, 2754, 2773, 2795, 2876, 2908, 3076, 3105, 3119, 3296, 3447, 3451, 3510, 3528, 3747, 3871, 3998
CHECK REFERENCE AL, 277, 3413
CHEILANTHES, 1761, 2192, 3649
CHEILODACTYLUS VITTATUS GARRETT 1864, 1506
CHEIRANTHUS, 1174
CHELANOPS ARIDITATIS CHAMBERLIN 1923, 715
CHELANOPS CARMINIS CHAMBERLIN 1923, 715
CHELANOPS VANDUZEEI CHAMBERLIN 1923, 715
CHELANOPS VASTITATIS CHAMBERLIN 1923, 715
CHELICERCA ACUTA ROSS 2003, 3310
CHELICERCA ALBITARSA ROSS 2003, 3310
CHELICERCA ALPINA ROSS 2003, 3310
CHELICERCA AMATITLANA ROSS 2003, 3310
CHELICERCA ANDESINA ROSS 2003, 3310
CHELICERCA AURICOLLIS ROSS 2003, 3310
CHELICERCA CHAMULAE ROSS 2003, 3310
CHELICERCA ESTELI ROSS 2003, 3310
CHELICERCA GALAPAGENSIS ROSS 1966, 3303
CHELICERCA GUATEMALAE ROSS 2003, 3310
CHELICERCA GUERREROA ROSS 2003, 3310
CHELICERCA INBIO ROSS 2003, 3310
CHELICERCA JALISCOA ROSS 1984, 3304
CHELICERCA LOMA ROSS 2003, 3310
CHELICERCA LUTEA ROSS 2003, 3310
CHELICERCA MATAGALPAE ROSS 2003, 3310
CHELICERCA MAXIMA ROSS 1984, 3304
CHELICERCA MAYA ROSS 2003, 3310
CHELICERCA MONTAZUL ROSS 2003, 3310
CHELICERCA MONTICOLA ROSS 2003, 3310
CHELICERCA NIMBA ROSS 2003, 3310
CHELICERCA PARAISOA ROSS 2003, 3310
CHELICERCA ROIENSIS ROSS 2003, 3310
CHELICERCA RONDONIA ROSS 2003, 3310
CHELICERCA SEMILUTEA ROSS 2003, 3310
CHELICERCA SEMIRUBRA ROSS 2003, 3310
CHELICERCA SPATHULA ROSS 2003, 3310
CHELICERCA SPICULATA ROSS 2003, 3310
CHELICERCA SPINOSA ROSS 1984, 3304
CHELICERCA TANTILLA ROSS 2003, 3310
CHELICERCA TRICA ROSS 2003, 3310
CHELICERCA VILLANEILLYA ROSS 2003, 3310
CHELICERCA YOJOA ROSS 2003, 3310
CHELICERINAE ROSS 1984, 3304
CHELIFER GERONIMOENSIS CHAMBERLIN 1923, 715
CHELIFER LATIVITTATUS CHAMBERLIN 1923, 715
CHELIFER PHILIPI CHAMBERLIN 1923, 715
CHELIFER SINI CHAMBERLIN 1923, 715
CHELONIA (?) CALIFORNIENSIS GILMORE 1937, 1559
CHELONUS ALBOBASILARIS ASHMEAD 1894, 129
CHELOSTOMOPSIS AUTRALIS NANUS COCKERELL 1925, 776
CHELOSTOMOPSIS COCKERELL 1925, 776
CHELYNIA CHLOROCYANEA COCKERELL 1925, 776
CHELYNIA FRAGARIELLA COCKERELL 1925, 776
CHELYNIA FRANCISCANA COCKERELL 1925, 776
CHELYNIA HOLOCYANEA COCKERELL 1925, 776
CHELYNIA LEUCOTRICHA COCKERELL 1925, 776
CHELYNIA NITIDULA COCKERELL 1925, 776
CHELYNIA SUBGLAUCA COCKERELL 1925, 776
CHEMICAL DEFENSE, 753
CHEMISTRY, 430, 436, 465, 624, 701, 956, 1632, 1710, 1711, 1709, 2260, 2600, 2655, 2657, 2840, 2947, 2994, 2995, 3086, 3605, 3635, 3828, 3883, 3904, 4003
CHEMMIS MONISTICUS CHAMBERLIN 1924, 717
CHEMNITZIA CHOCOLATA CARPENTER 1866, 700
CHEMNITZIA PAPILLOSA TRASK 1855, 3678, 3696
CHENOPODIUM, 2164, 2176, 3848
CHENOPODIUM AMBROSIOIDES VAR. VAGRANS (STANDL.) HOWELL 1948 [STAT. NOV.], 2100
CHENOPODIUM MACROSPERMUM VAR/ FARINOSUM (WATS.) HOWELL 1948 [COMB. NOV.], 2100
CHIASTOCHETA SOLIDICEPS HUCKETT 1966, 2248
CHILE, 872, 873, 1375, 1472, 2261, 2651, 3064, 3110, 3196, 3256, 3912
CHILEAPHIS ESSIG 1953, 1375
CHILEAPHIS MICHELBACHERI ESSIG 1953, 1375
CHILOGLANIS HARBINGER ROBERTS 1989, 3280
CHILOGLANIS:MOCHOKIDAE, 3280
CHILOGLANIS NIGER ROBERTS 1989, 3280
CHILOGLANIS POLYPOGON ROBERTS 1989, 3280
CHILOGLANIS RETICULATUS ROBERTS 1989, 3280
CHILOGLANIS SANAGAENSIS ROBERTS 1989, 3280
CHILOMENISCUS PUNCTATISSIMUS VAN DENBURGH & SLEVIN 1921, 3790

CHILOMETOPON CRIBRICOLLE BLAISDELL 1923, 405
CHILOMETOPON RUGICEPS BLAISDELL 1923, 405
CHILOSIA CHINTIMINI LOVETT 1921, 789
CHILOSIA FERRUGINEA LOVETT 1919, 788
CHILOSIA NIGROVITTATA LOVETT 1919, 788
CHILOSIA PACIFICA LOVETT 1919, 788
CHIMARRA LAGUNA ROSS 1951, 3313
CHINA, 724, 748, 1400, 1423, 1478, 1479, 1661, 1662, 2361, 2833, 2885, 3031, 3240, 3241, 3394, 3419, 3767, 3857, 3871, 3896, 4019, 4020, 4021, 4031, 4046
CHINA:YUNNAN, 1676, 2285, 2360, 3937, 4021
CHIONANTHUS FRAXINIFOLIUS KELLOGG 1873, 2567
CHIONASPIS COLEMANI KUWANA 1902, 2644
CHIONASPIS (?) HIKOSANI KUWANA 1902, 2644
CHIONE ATLANTICANA ANDERSON 1929, 50
CHIONE LATILAMINOSA ANDERSON & MARTIN 1914, 53
CHIONE MARGARITANA ANDERSON & MARTIN 1914, 53
CHIONE PANZANA ANDERSON & MARTIN 1914, 53
CHIONE RICHTHOFENI HERTLEIN & JORDAN 1927, 1873
CHIONE SECHUNTANA HANNA & ISRAELSKY 1925, 1753
CHIONE SEYMOURENSIS DALL & OCHSNER 1928, 954
CHIRACANTHIUM PARVULUM BANKS 1898, 259
CHIRIXALUS PUNCTATUS WILKINSON ET AL. 2003, 3936
CHIRONECTES NIGER GARRETT 1864, 1506
CHIRONECTES RUBRO-FUSCUS GARRETT 1863, 1505
CHIRONOMUS COLEI MALLOCH 1919, 788
CHITONS, 2930, 3447, 3451
CHLAENIUS NIMROD HORN 1896, 1937
CHLAMYDATUS MONILIPES VAN DUZEE 1921, 3798
CHLAMYS INCANTATA HERTLEIN 1972, 1870
CHLAMYS MEDIACOSTATA GREWINGKI HERTLEIN 1966, 1868
CHLORISPORA, 2137
CHLORODIUS FISHERI LOCKINGTON 1877, 2758
CHLOROGALUM ANGUSTIFOLIUM KELLOGG 1861, 2487
CHLOROGALUM GRANDIFLORUM HOOVER 1938, 1916
CHLOROGALUM PURPUREUM VAR. REDUCTUM HOOVER 1964, 1929
CHLOROGLOEAE REGULARIS SETCHELL & GARDNER 1924, 3387
CHLOROPHYCEAE, 3384
CHLOROPS LITHOFRONS CURRAN 1936, 914
CHLOROPYRON BEHR 1855, 337, 348
CHLOROPYRON PALUSTRE BEHR 1855, 337, 348
CHNAUNANTHUS PALMERI HORN 1894, 1935
CHNÉOUR (ALEXANDRE CONSTANTINOVICH), 112
CHONDRIA ACRORHIZOPHORA SETCHELL & GARDNER 1924, 3387
CHONDRIA CLARIONENSIS SETCHELL & GARDNER 1930, 3388
CHONDRIA PACIFICA SETCHELL & GARDNER 1937, 3389
CHONDRILLA, 250, 1932
CHONERHINOS AMABILIS ROBERTS 1982, 3276
CHONERHINOS NEFASTUS ROBERTS 1982, 3276
CHONERHINOS REMOTUS ROBERTS 1982, 3276
CHONERHINOS SILUS ROBERTS 1982, 3276
CHORDATA, 3512
CHORDATA:ASCIDIACEA, 2649
CHORDATES, 3253
CHORILIBINIA ANGUSTUS LOCKINGTON 1877, 2755
CHORILIBINIA LOCKINGTON 1877, 2755
CHORISEMBIA HOWDENI ROSS 2003, 3310
CHORISEMBIA ROSS 2003, 3310
CHORISEMBIINAE ROSS 2003, 3310
CHORIZANTHE, 1578
CHORIZANTHE BLAKLEYI HARDHAM 1964, 1763
CHORIZANTHE CHILENSIS (REMY) GOODMAN 1943 [COMB. NOV.], 1578
CHORIZANTHE CORIACEA GOODMAN 1943 [NOM. NOV.], 1578
CHORIZANTHE DIFFUSA VAR. NIVEA (CURRAN) HOOVER 1966 [COMB. NOV.], 1934
CHORIZANTHE FLAVA BRANDEGEE 1889, 524
CHORIZANTHE INEQUALIS STOKES 1900, 3578
CHORIZANTHE INSIGNIS CURRAN 1885, 918
CHORIZANTHE MUTABILIS BRANDEGEE 1889, 524
CHORIZANTHE PULCHELLA BRANDEGEE 1889, 524
CHORIZANTHE PUNGENS NIVEA CURRAN 1885, 918
CHORIZANTHE THURBERI CRYPTANTHA CURRAN 1885, 918
CHORIZANTHE THURBERI VAR. MACROTHECA HOWELL 1943, 2053
CHORIZANTHE VENTRICOSA GOODMAN 1939, 1576
CHORUS CARISAENSIS ANDERSON 1905, 45
CHRISTMAS ISLAND (INDIAN OCEAN), 1657
CHROMACRIS MINUTA ROBERTS & CARBONELL 1982, 3271
CHROMACRIS PSITTACUS PACIFICUS ROBERTS & CARBONELL 1982, 3271
CHROMACRIS TROGON INTERMEDIA ROBERTS & CARBONELL 1982, 3271
CHROMAPHIS CELTICOLENS ESSIG & KUWANA 1918, 1376
CHROMATOCLOTHODA ALBICAUDA ROSS 1987, 3305
CHROMATOCLOTHODA AURATA ROSS 1987, 3305
CHROMATOCLOTHODA ELEGANTULA ROSS 1987, 3305
CHROMATOCLOTHODA NANA ROSS 1987, 3305
CHROMATOCLOTHODA NIGRICUADA ROSS 1987,

3305
CHROMATOCLOTHODA ROSS 1987, 3305
CHROMIS BAMI RANDALL & MCCOSKER 1992, 3179
CHROMIS PAMAE RANDALL & MCCOSKER 1992, 3179
CHROMODORIDIDAE, 1606, 3741
CHROMODORIS BUCHANANAE GOSLINER & BEHRENS 2000, 1608
CHROMODORIS CAZAE GOSLINER & BEHRENS 2004, 1609
CHROMODORIS DIANAE GOSLINER & BEHRENS 1998, 1606
CHROMODORIS HEATHERAE GOSLINER 1994, 1600
CHROMODORIS HINTUANENSIS GOSLINER & BEHRENS 1998, 1606
CHROMODORIS JOSHI GOSLINER & BEHRENS 1998, 1606
CHROMODORIS KITAE GOSLINER 1994, 1600
CHROMODORIS LEKKER GOSLINER 1994, 1600
CHROMODORIS MANDAPAMENSIS VALDÉS & MOLLO & ORTEA 1999, 3741
CHROMODORIS MICHAELI GOSLINER & BEHRENS 1998, 1606
CHROMODORIS NAIKI VALDÉS & MOLLO & ORTEA 1999, 3741
CHROMODORIS ROBOI GOSLINER & BEHRENS 1998, 1606
CHROMODORIS SOCORROENSIS BEHRENS & GOSLINER & HERMOSILLO 2009, 369
CHROMOLEPIDA MEXICANA COLE 1923, 786
CHROMOSOMES, 3587
CHRONOLOGY, 1527
CHROSIODERMA HAVIA SILVA-DAVILA 2005, 3406
CHROSIODERMA MAHAVELONA SILVA-DAVILA 2005, 3406
CHROSIODERMA MIPENTINAPENTIA SILVA-DAVILA 2005, 3406
CHROSIODERMA NAMOROKA SILVA-DAVILA 2005, 3406
CHROSIODERMA RANAMAFANA SILVA-DAVILA 2005, 3406
CHROSIODERMA ROALOHA SILVA-DAVILA 2005, 3406
CHROSIODERMA SOALALA SILVA-DAVILA 2005, 3406
CHRSOPERLA RAIMUNDOI DE FREITAS & PENNY 2001, 1045
CHRYOPODES OSWALDI PENNY 2002, 1900
CHRYSALLIDA CINCTA CARPENTER 1866, 700
CHRYSALLIDA PUMILA CARPENTER 1866, 700
CHRYSALOGONIUM CRETACEUM CUSHMAN & CHURCH 1929, 924
CHRYSANTHIA REPANDA HORN 1896, 1938
CHRYSEMYS NEBULOSA VAN DENBURGH 1895, 3747
CHRYSIS SERRATA TAYLOR 1924, 3633
CHRYSIS TENUICORNIS TAYLOR 1924, 3633
CHRYSOBOTHRIS BICOLOR HORN 1894, 1935
CHRYSOBOTHRIS LUCANA HORN 1894, 1935
CHRYSOBOTHRIS MARTHA VAN DYKE 1942, 3817
CHRYSOBOTHRIS MICHELBACHERI VAN DYKE 1942, 3817
CHRYSOBOTHRIS ROSSI VAN DYKE 1942, 3817
CHRYSOBOTHRIS WILLIAMSI VAN DYKE 1953, 3818
CHRYSOCERIA POLLENIA COLE 1919, 788
CHRYSODOMUS DIEGOENSIS DALL 1874, 949
CHRYSODOMUS KERNENSIS ANDERSON & MARTIN 1914, 53
CHRYSODOMUS RUCKMANI DICKERSON 1915, 1057
CHRYSOGORGIA MONTICOLA CAIRNS 2007, 670
CHRYSOGORGIA PINNATA CAIRNS 2007, 670
CHRYSOMELIDAE:CASSIDINAE, 1661
CHRYSOPA INCERTA BANKS 1895, 258
CHRYSOPA PERFECTA BANKS 1895, 258
CHRYSOPA VALIDA BANKS 1895, 258
CHRYSOPETALUM OCCIDENTALE JOHNSON 1897, 2307
CHRYSOPODES ADYNATOS DE FREITAS & PENNY 2001, 1045
CHRYSOPODES COPIA DE FREITAS & PENNY 2001, 1045
CHRYSOPODES CROCINUS DE FREITAS & PENNY 2001, 1045
CHRYSOPODES DELICATA DE FREITAS & PENNY 2001, 1045
CHRYSOPODES ELONGATA DE FREITAS & PENNY 2001, 1045
CHRYSOPODES KARINAE DE FREITAS & PENNY 2001, 1045
CHRYSOPODES NIGROPICTA DE FREITAS & PENNY 2001, 1045
CHRYSOPS, 3017, 3641
CHRYSOPSIS CAESPITOSA JONES 1895, 2326
CHRYSOPSIS CAMPHORATA EASTWOOD 1900, 1134
CHRYSOPSIS VILLOSA VAR. SCABRA EASTWOOD 1896, 1122
CHRYSOPS PHILIPI BURGER 1985, 660
CHRYSOPS ROSSI PHILIP 1960, 3116
CHRYSOSOMA LATIAPICTUM VAN DUZEE 1933, 3814
CHRYSOTHAMMUS NAUSEOSUS VAR. MACROPHYLLUS HOWELL 1937, 1995
CHRYSOTHAMNUS NAUSCOSUS VAR. PETROPHILUS CRONQUIST 1950, 902
CHRYSOTUS BREVICORNIS VAN DUZEE 1933, 3814
CHRYSOTUS BREVISPINA VAN DUZEE 1933, 3814
CHRYSOTUS LATIFACIES VAN DUZEE 1933, 3814
CHRYSSO SPLENDIDA BANKS 1898, 259
CHTHONIUS JOHNSTONI CHAMBERLIN 1923, 715
CICINDELA ARENICOLA RUMPP 1967, 3343
CICINDELA NEVADICA CITATA RUMPP 1977, 3344

CICINDELA PULCHRA DOROTHEA RUMPP 1977, 3344
CICINDELA WILLISTONI SULFONTIS RUMPP 1977, 3344
CIRCE (LIOCONCHA) NEWCOMBIANA GABB 1865, 1492
CIRCULUS MADREËNSIS BAKER & HANNA & STRONG 1938, 237
CIRRIPEDIA, 865, 938, 3821, 4039, 4040, 4042
CIRRIPEDIA:THORACICA, 4039, 4041
CIRSIUM, 2185
CIRSIUM BREVISTYLUM CRONQUIST 1953, 903
CIRSIUM CALLILEPIS VAR. OROGONENSE (PETRAK) HOWELL 1959 [COMB. NOV.], 2185
CIRSIUM CALLILEPIS VAR. PSEUDOCARLINOIDES (PETRAK) HOWELL 1959 [COMB. NOV.], 2185
CIRSIUM DAVISII CRONQUIST 1950, 902
CIRSIUM DOUGLASII VAR. CANESCENS (PETRAK) HOWELL 1959 [COMB. NOV.], 2185
CIRSIUM FONTINALE VAR. OBISPOENSE HOWELL 1938, 1998
CIRSIUM HYDROPHILUM VAR. VASEYI (GRAY) HOWELL 1959 [COMB. NOV.], 2185
CIRSIUM PROTEANUM HOWELL 1959 [NOM. NOV.], 2185
CITHAREXYLUM PAUCIFLORUM BRANDEGEE 1908, 575
CITHARINA KERNENSIS CHURCH 1968, 751
CITHAROCEPS CHAMBERLIN 1924, 717
CITHAROCEPS FIDICINA CHAMBERLIN 1924, 717
CIXIUS GALEOLA FENNAH 1956, 1423
CIXIUS PHONASCUS FENNAH 1956, 1423
CIXIUS PRAECOX VAN DUZEE 1925, 3804
CIXIUS SCRUPEUS FENNAH 1956, 1423
CIXIUS VANDYKEI VAN DUZEE 1925, 3804
CLADOCERA, 240
CLADOGRAMMA JORDANI HANNA 1927, 1734
CLADOGRAMS, 1813, 3879
CLADOPHORA HESPERIA SETCHELL & GARDNER 1924, 3387
CLADOPHOROPSIS ROBUSTA SETCHELL & GARDNER 1924, 3387
CLARIONEA MASONII SETCHELL & GARDNER 1930, 3388
CLARIONEA SETCHELL & GARDNER 1930, 3388
CLARION ISLAND, 578
CLARKIA, 2714, 3207
CLARKIA EISENEANA KELLOGG 1877, 2580
CLARKIA STELLATA MOSQUIN 1961, 2962
CLARKINA JORDAN & EVERMANN 1927, 2348
CLASSIFICATION AND TAXONOMY (HISTORICAL), 23, 229, 399, 473, 595, 621, 696, 697, 811, 1275, 1434, 1448, 1456, 1563, 1707, 1800, 1903, 2250, 2594, 2822, 2905, 2911, 3052, 3224, 3302, 3314, 3483, 3559, 3734, 3819
CLATHURELLA CONSTRICTA GABB 1865, 1492
CLATHURELLA CRYSTALLINA GABB 1865, 1492
CLAVILITHES BURTTI HANNA & ISRAELSKY 1925, 1753
CLAYPTRIDIUM PARRYI VAR. ARIZONICUM HOWELL 1945, 2080
CLAYPTRIDIUM PARRYI VAR. NEVADENSE HOWELL 1945, 2080
CLAYTONIA, 720
CLAYTONIA LINEARIS VAR. DICHOTOMA (NUTT.) BAKER 1956 [COMB. NOV.], 249
CLEISTOSOMA HARKNESS 1884, 1773
CLEISTOSOMA PURPUREUM HARKNESS 1884, 1773
CLEMATODES VANDUZEEI HEBARD 1923, 1808
CLEMENSIA IRRORATA EDWARDS 1873, 1279
CLEOME INTEGRIFOLIA VAR. ANGUSTA JONES 1895, 2326
CLEOMELLA ALATA EASTWOOD 1900, 1134
CLEOMELLA PALMERANA JONES 1891, 2320
CLEOME (PHYSOSTEMON) EPHEMERA BRANDEGEE 1891, 541
CLEOME SAINALOENSIS BRANDEGEE 1905, 573
CLEONUS ERYSIMI HALL 1901, 1718
CLEONUS PACIFICUS HALL 1901, 1718
CLEVELANDIA C.H.EIGENMANN & R.S.EIGENMANN 1888, 1314
CLEVELANDIA GREENE 1885, 1636
CLEVELANDIA ROSAE JORDAN & EVERMANN 1896, 2334
CLIDEMA COLORADENSIS ALMEDA 2004, 37
CLIDEMA DAVIDSEI ALMEDA 2004, 37
CLIDEMA EVANESCENS ALMEDA 2004, 37
CLIDEMA FOLSOMII ALMEDA 2004, 37
CLIDEMA INOPINATA ALMEDA 2004, 37
CLIDEMA LANGUGINOSA ALMEDA 2004, 37
CLIDEMA PECTINATA 2004, 37
CLIDEMA RODRIGUEZII ALMEDA 2004, 37
CLIDEMA TENEBROSA ALMEDA 2004, 37
CLIDEMA VENTRICOSA ALMEDA 2004, 37
CLIDEMIA ALLENII ALMEDA 2004, 37
CLIDEMIA ALMEDAE KRIEBEL 2006, 2638
CLIDEMIA HAMMELI ALMEDA 1989, 29
CLIDEMIA TETRAPETALA ALMEDA 1984, 28
CLIDEMIA TRICHOSANTHA ALMEDA 1984, 28
CLIMACIELLA OBTUSA HOFFMAN 2002, 1900
CLIMACIELLA POROSA HOFFMAN 2002, 1900
CLIMATE, 177, 415, 416, 437, 836, 934, 1058
CLINOCARDIUM LISPUM ROTH & TALMADGE 1975, 3320
CLIPPERTON ISLAND, 952, 1551, 1872, 2767, 3769, 3781, 4039
CLIPPERTON ROCK, 3090
CLISIOCAMPA CONSTRICTA STRETCH 1874, 1285
CLOTHODA LONGICAUDA ROSS 1987, 3305
CLOVIS CULTURE, 1069, 1346, 1356, 2280, 2894, 2904, 3008, 3294, 3509, 3557, 3715
CLUBONIA COMPLICATA BANKS 1898, 259

CLYPEASTER GABBII RÉMOND 1863, 3227
CLYPEASTER PILEUS ISRAELSKY 1924, 2262
CLYPEASTER SANRAFAELENSIS ISRAELSKY 1924, 2262
CLYPEOCOTTUS AYRES 1854 [=ASPICOTTUS GIRARD 1854], 139, 186
CLYPEOCOTTUS ROBUSTUS AYRES 1854, 139, 186
CNEMIDOPHORUS ARIZONAE VAN DENBURGH 1896, 3753
CNEMIDOPHORUS BACATUS VAN DENBURGH & SLEVIN 1921, 3790
CNEMIDOPHORUS CANUS VAN DENBURGH & SLEVIN 1921, 3790
CNEMIDOPHORUS CATALINENSIS VAN DENBURGH & SLEVIN 1921, 3791
CNEMIDOPHORUS DICKERSONAE VAN DENBURGH & SLEVIN 1921, 3790
CNEMIDOPHORUS STEJNEGERI VAN DENBURGH 1894, 3744
CNEMODON ALBIPLEURA CURRAN 1921, 912
CNEMODON AURIPLEURA CURRAN 1921, 912
CNEMODON CARINATA CURRAN 1921, 912
CNEMODON CEVELATA CURRAN 1921, 912
CNEMODON CORVALLIS CURRAN 1921, 912
CNEMODON COXALIS CURRAN 1921, 912
CNEMODON ELONGATA CURRAN 1921, 912
CNEMODON INTERMEDIA CURRAN 1921, 912
CNEMODON LONGISETA CURRAN 1921, 912
CNEMODON LOVETTI CURRAN 1921, 912
CNEMODON MYERMA CURRAN 1921, 912
CNEMODON NUDIFRONS CURRAN 1921, 912
CNEMODON ONTARIOENSIS CURRAN 1921, 912
CNEMODON PLACIDA CURRAN 1921, 912
CNEMODON RITA CURRAN 1921, 912
CNEMODON SINUOSA CURRAN 1921, 912
CNEMODON SQUAMULAE CURRAN 1921, 912
CNEMODON UNICOLOR CURRAN 1921, 912
CNEMODON VENTERIS CURRAN 1921, 912
CNEMODUS SOBRIUS UHLER 1894, 3728
CNESTUS ATER (EGGERS) DOLE & COGNATO 2010 [COMB. NOV.], 1074
CNESTUS FIJIANUS (SCHEDL) DOLE & COGNATO 2010 [COMB. NOV.], 1074
CNESTUS GRAVIDUS (BLANFORD) DOLE & COGNATO 2010 [COMB. NOV.], 1074
CNESTUS IMPROCERUS (SAMPSON) DOLE & COGNATO 2010 [COMB. NOV.], 1074
CNESTUS MUTILATUS (BLANDFORD) DOLE & COGNATO 2010 [COMB. NOV.], 1074
CNESTUS ORBICULATUS (SCHEDL) DOLE & COGNATO 2010 [COMB. NOV.], 1074
CNESTUS PERUANUS (WOOD) DOLE & COGNATO 2010 [COMB. NOV.], 1074
CNESTUS RETIFER (WOOD) DOLE & COGNATO 2010 [COMB. NOV.], 1074
CNESTUS RETUSUS (EICHHOFF) DOLE & COGNATO 2010 [COMB. NOV.], 1074
CNESTUS TESTUDO (EGGERS) DOLE & COGNATO 2010 [COMB. NOV.], 1074
CNICUS BIPINNATUS EASTWOOD 1898, 1125
CNICUS CALCAREUS JONES 1895, 2326
CNICUS CLAVATUS JONES 1895, 2326
CNICUS DIFFUSUS EASTWOOD 1898, 1125
CNICUS DRUMMONDII VAR. BIPINNATUS EASTWOOD 1893, 1115
CNICUS FONTINALIS GREENE 1886, 1641
CNICUS HESPERIUS EASTWOOD 1898, 1125
CNICUS LILACINUS GREENE 1887, 1642
CNICUS NIDULUS JONES 1895, 2326
CNICUS ROTHROCKII DIFFUSUS EASTWOOD 1896, 1122
CNIDARIA, 670
COAL, 464, 465, 3916
COCCIDAE, 2644
COCCONEIS CONTRERASI HANNA & GRANT 1926, 1748
COCCONEIS PRIBILOFENSIS HANNA 1970, 1743
COCCONEIS TRIUMPHIS HANNA & GRANT 1926, 1748
COCKERELL INYOENSIS COCKERELL & SANDHOUSE 1924, 780
COCOS ISLAND, 311, 578, 742, 757, 952, 1104, 1551, 1552, 1866, 2720, 2739, 2767, 3373, 3568, 3608, 3712, 3769, 3781, 3891, 3892
CODAKIA RECTA DALL & OCHSNER 1928, 954
CODIUM AMPLIVESICULATUM SETCHELL & GARDNER 1924, 3387
CODIUM ANASTOMOSANS SETCHELL & GARDNER 1924, 3387
CODIUM BRANDEGEEI SETCHELL & GARDNER 1924, 3387
CODIUM CERVICORNE SETCHELL & GARDNER 1924, 3387
CODIUM CONJUNCTUM SETCHELL & GARDNER 1924, 3387
CODIUM CUNEATUM SETCHEL & GARDNER 1924, 3387
CODIUM LONGIRAMOSUM SETCHELL & GARDNER 1924, 3387
CODIUM REDECTUM SETCHELL & GARDNER 1924, 3387
CODIUM SIMULANS SETCHELL & GARDNER 1924, 3387
CODIUM UNILATERALE SETCHELL & GARDNER 1924, 3387
COELAMBUS FEMORATUS HALL 1901, 1718
COELAMBUS PEDALIS HALL 1901, 1718
COELENTERATA, 3512
COELENTERATA:ACTINIIDAE, 1420
COELENTERATA:ALCYONIIDAE, 3952
COELENTERATA:OCTOCORALLIA, 3948, 3950
COELENTERATES, 3950

COELIOXYS GONASPIS COCKERELL 1924, 775
COELIOXYS TIBURONENSIS COCKERELL 1924, 775
COELOCENTRUM CLAVIGEROI HANNA 1923, 1728
COELOCENTRUM INSULARE HANNA 1923, 1728
COELOCENTRUM OWENI HANNA 1923, 1728
COELOCENTRUM VANDUZEEI HANNA 1923, 1728
COELOCNEMIS SLEVINI BLAISDELL 1925, 408
COELOPA ANOMALA COLE 1923, 786
COELORIA WELLSI DURHAM 1942, 1103
COELORINCHUS ACONCAGUA IWAMOTO 1978, 2265
COELORINCHUS AMIRANTENSIS IWAMOTO & GOLANI & BARANES & GOREN 2006, 2268
COELORINCHUS GORMANI IWAMOTO & GRAHAM 2008, 2270
COELORINCHUS HOANGI IWAMOTO & GRAHAM 2008, 2270
COELORINCHUS OBSCURATUS MCMILLAN & IWAMOTO 2009, 2888
COELORINCHUS OSIPULLUS MCMILLAN & IWAMOTO 2009, 2888
COELORINCHUS YURII IWAMOTO & GOLANI & BARANES & GOREN 2006, 2268
COELOTES EXAPTUS BANKS 1898, 259
COELUROSAURIA GAUTHIER 1986, 1515
COENONYMPHA ERYNGII EDWARDS 1877, 1301
COENOSIA ABERRANS COURI & PONT & PENNY 2006, 875
COENOSIA ALTICOLA MALLOCH 1919, 2814
COENOSIA FONTANA HUCKETT 1966, 2248
COENOSIA HILARIS HUCKETT 1966, 2248
COENOSIA OREGONENSIS MALLOCH 1919, 788
COENOSIA PARVISQUAMA MALLOCH 1919, 2814
COENOSIA SETILAMINA HUCKETT 1966, 2248
COLACODASYA SINICOLA SETCHELL & GARDNER 1924, 3387
COLACTIS BRIGGSI SHEAR 1974, 3393
COLASPIS MOESTA HORN 1895, 1936
COLDENIA, 1997
COLDENIA CONSPICUA HOWELL 1937, 1997
COLDENIA CUSPIDATA JOHNSTON 1924, 2313
COLDENIA GALAPAGOA HOWELL 1937, 1997
COLEOPTERA, 309, 406, 407, 408, 410, 705, 708, 710, 738, 1077, 1096, 1097, 1361, 1417, 1630, 1631, 1661, 1718, 1800, 1935, 1936, 1937, 1941, 1944, 2350, 2351, 2352, 2353, 2363, 2679, 2680, 2682, 2683, 2736, 2737, 2738, 2739, 2740, 2909, 2998, 3170, 3257, 3258, 3262, 3344, 3353, 3360, 3382, 3656, 3666, 3671, 3816, 3817, 3818, 4010
COLEOPTERA:AMPHIZOIDAE, 2353
COLEOPTERA:BUPRESTIDAE, 2998, 3817
COLEOPTERA:BYRRHIDAE, 1759
COLEOPTERA:CANTHARIDAE, 1631
COLEOPTERA:CARABIDAE, 705, 1361, 1362, 1759, 2350, 2351, 2352, 2354, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2645, 2716, 3939
COLEOPTERA:CERAMBYCIDAE, 738, 739, 1550, 1941, 2680, 2681, 2738, 2739, 2740
COLEOPTERA:CHRYSOMELIDAE, 1417, 1661, 1759
COLEOPTERA:CICINDELIDAE, 3343
COLEOPTERA:CLERIDAE, 309
COLEOPTERA:CURCULIONIDAE, 1074, 1759
COLEOPTERA:DYSTICIDAE, 2679, 2683
COLEOPTERA:DYSTISCIDAE, 2682
COLEOPTERA:ELATERIDAE, 1759, 3816
COLEOPTERA:EURYSTETHIDAE, 1759
COLEOPTERA:GYRINIDAE, 2679
COLEOPTERA:HALIPIDAE, 2679
COLEOPTERA:HYDROPHILIDAE, 2679
COLEOPTERA:LAMPRYRIDAE, 1630
COLEOPTERA:LIMNEBIIDAE, 2679
COLEOPTERA:MELYRIDAE, 407
COLEOPTERA:NOTERIDAE, 2683
COLEOPTERA:PHENGODIDAE, 3656
COLEOPTERA:SCARABAEIDAE, 3259, 3264, 3353, 3360
COLEOPTERA:STAPHYLINIDAE, 1759, 3170
COLEOPTERA:TENEBRIONIDAE, 405, 409, 410, 1076, 1472
COLEPTERA:CURCULIONIDAE, 1944
COLGORMA MENALCAS FENNAH 1967, 1424
COLLECTIONS, 105, 226, 702, 1089, 1248, 1262, 1263, 1339, 1990, 1996, 1999, 2002, 2005, 2009, 2012, 2013, 2015, 2048, 2074, 2116, 3436, 3721, 3725, 3902, 3903
COLLETES ALBOCINCTUS COCKERELL 1924, 775
COLLETES MULEGENSIS COCKERELL 1924, 775
COLLETES PERILEUCUS COCKERELL 1924, 775
COLLETES PROFECTUS COCKERELL 1924, 775
COLLETES SLEVINI COCKERELL 1925, 776
COLLETTEICHTHYS GREENFIELD 2006, 1647
COLLINSIA ANTONINA HARDHAM 1964, 1764
COLLINSIA ANTONINA SSP. ANTONINA HARDHAM 1964, 1764
COLLINSIA ANTONINA SSP. PURPUREA HARDHAM 1964, 1764
COLLINSIA DAVIDSONII PARISH 1893, 3071
COLLINSIA DIVARICATA KELLOGG 1863, 2513
COLLINSIA HIRSUTA KELLOGG 1861, 2490
COLLINSIA SEPTEMNERVA KELLOGG 1863, 2509
COLLINSIA SOLITARIA KELLOGG 1859, 2459
COLLOMIA DEBILIS VAR. DENTATA HITCHCOCK 1945, 1893
COLLOMIA MICRANTHA KELLOGG 1863, 2511
COLLOMIA TINCTORIA KELLOGG 1863, 2511
COLLOPS ARGUTUS HALL 1901, 1718
COLLOPS ARIZONENSIS MARSHALL 1951, 2827
COLLOPS KNULLI MARSHALL 1951, 2827
COLLOPS PALLIPES MARSHALL 1951, 2827
COLLOPS PENINSULARIS MARSHALL 1951, 2827
COLLOPS SIMPLEX MARSHALL 1951, 2827
COLOLEJEUNEA COSEGUINANA CLARK 1953, 757
COLOMBIA, 48, 49, 50, 1471, 1567, 2258, 3309

COLONIZATION, 1069, 1346, 1356, 2280, 2894, 2904, 3008, 3294, 3509, 3557, 3715
COLORADO, 275, 276, 284, 287, 289, 308, 390, 773, 869, 1108, 1110, 1111, 1115, 1116, 1120, 1124, 1293, 1634, 1841, 1850, 1888, 2170, 2327, 2334, 2797, 2977, 3827, 3829, 3969
COLOR DRAWINGS, 2770
COLOR PHOTOGRAPHS, 722, 791, 875, 976, 1355, 2770, 2916, 2919, 3311
COLPOCEPHALUM ABBOTTI KELLOGG 1899, 2593
COLPOCEPHALUM CHRYSOPHAEUM KELLOGG 1896, 2592
COLPOCEPHALUM FUMIDUM KELLOGG 1896, 2592
COLPOCEPHALUM FUNEBRE KELLOGG 1896, 2591
COLPOCEPHALUM GRANDICULUM KELLOGG & CHAPMAN 1899, 2595
COLPOCEPHALUM LATICEPS KELLOGG 1896, 2591
COLPOCEPHALUM OSBORNI KELLOGG 1896, 2592
COLPOCEPHALUM PINGUE KELLOGG 1896, 2591
COLPOCEPHALUM SPINEUM KELLOGG 1899, 2593
COLPOCEPHALUM TIMIDUM KELLOGG 1896, 2591
COLPOCEPHALUM UNCIFERUM KELLOGG 1896, 2591
COLPOCEPHALUN DIFFUSUM KELLOGG 1899, 2593
COLPOMENIA SINUOSA EXPANSA SAUNDERS 1898, 3357
COLPOMENIA SINUOSA F. EXPANSISSIMA SETCHELL & GARDNER 1924, 3387
COLPOMENIA TUBERCULATA SAUNDERS 1898, 3357
COLPONEMIA SINUOSA F. DEFORMANS SETCHELL 7 GARDNER 1924, 3387
COLPONEMIA SINUOSA F. TUBERCULATA SETCHELL & GARDNER 1924, 3387
COLTON (DAVID DOUTY), 3550
COLTRICHIA FONSECOENSIS COOKE & BONAR 1961, 816
COLUBER BARBOURI VAN DENBURGH & SLEVIN 1921, 3790
COLUBRARIA JORDONI STRONG 1938, 3597
COLUBRARIA LUCASENSS STRONG & HERTLEIN 1937, 3602
COLUBRARIA OCHSNERI HERTLEIN & ALLISON 1968, 1872
COLUBRARIA PERVARICOSA DALL & OCHSNER 1928, 954
COLUBRIDAE, 2752
COLUBRIDAE:BOIGA, 1644
COLUBRINA CALIFORNICA JOHNSTON 1924, 2313
COLUMBELLA MINIMA ARNOLD 1903, 126
COLUMBELLA OLDROYDI ARNOLD 1903, 126
COLUMNA RAMENTOSA ABBREVIATA COOPER 1892, 855
COLUSA CASEY 1885, 708
COLUSA EXILIS CASEY 1885, 708
COLUSA EXIMIA CASEY 1885, 708
COLUSA GRACILIS CASEY 1885, 708
COLUSA GRANDICOLLIS CASEY 1885, 708
COLUSA VALIDA CASEY 1885, 708
COMINELLA COLEMANI ANDERSON & HANNA 1925, 51
COMMITTEE REPORT, 217, 728, 729, 730, 735, 3377, 3555
COMMUNICATION, 13, 2824, 2828, 2893, 3007, 3122, 3229
COMPOSITAE:ALVORDIA, 703
COMPOSITAE: HELIANTHEAE, 3603
COMPOSITAE:SCALESIA, 2037
COMPSOCEROCORIS ROSEUS UHLER 1894, 3728
COMPSONEMA IMMIXTUM SETCHELL & GARDNER 1924, 3387
CONCOLVULUS OCCIDENTALIS VAR. SOLANENSIS (JEPS.) HOWELL 1948 [COMB. NOV.], 2100
CONDALIA GLOBOSA JOHNSTON 1924, 2313
CONDONIA HERTLEIN 1965, 1867
CONDYLOSTYLUS DENTATICAUDA VAN DUZEE 1933, 3814
"CONGER" FORNICATUS FRIZZELL & LAMBER 1962, 1481
"CONGER" MERDIES FRIZZELL & LAMBER 1962, 1481
"CONGER" SANCTUS FRIZZELL & LAMBER 1962, 1481
CONGER? VETUSTUS FRIZZELL & LAMBER 1962, 1481
CONGO, 3281
CONIBIUS VENTRALIS BLAISDELL 1923, 405
CONICEREMBIA ROSS 1984, 3304
CONICEREMBIA TEPICENSIS ROSS 1984, 3304
CONIDAE:CONUS, 1758
CONIFERS, 549, 804, 1145
CONIONTIDES KEIFERI BLAISDELL 1943, 410
CONODERES BICARINATUS VAN DYKE 1932, 3816
CONODERUS GALAPAGOENSIS VAN DYKE 1953, 3818
CONOPS ARGENTIFACIES VAN DUZEE 1927, 3812
CONOPS FOXI VAN DUZEE 1927, 3812
CONOPS FRAERCULUS VAN DUZEE 1927, 3812
CONOPS RUBICUNDULUS VAN DUZEE 1927, 3812
CONORHINUS MAXIMUS UHLER 1894, 3728
CONORHINUS PROTACTUS UHLER 1894, 3728
CONORHINUS RUBIDUS UHLER 1894, 3728
CONOSTEGIA FRAGRANTISSIMA ALMEDA 1990, 32
CONOSTEGIA MURICULATA ALMEDA 1990, 32
CONOSTEGIA ORBELIANA ALMEDA 1990, 32
CONOTRACHELUS ECHINATUS HORN 1895, 1936
CONOTRACHELUS LUCANUS HORN 1895, 1936
CONSERVATION, 6, 728, 729, 730, 731, 732, 733, 734, 735, 977, 1441, 1485, 2247, 2686, 3221, 4015
CONSTANTINEA SIMPLEX SETCHELL 1901, 3383
CONSTITUTION, 672
CONUS ACADEMICUS DALL & OCHSNER 1928, 954

CONUS AGILOPS ANDERSON & HANNA 1925, 51
CONUS BARTSCHI HANNA & STRONG 1949, 1758
CONUS BRAMKAMPI HANNA & STRONG 1949, 1758
CONUS CRENOSPIRATUS ANDERSON 1929, 50
CONUS DALLI STEARNS 1873, 3539
CONUS DURHAMI HANNA & STRONG 1949, 1758
CONUS INDEFATIGABILIS DALL & OCHSNER 1928, 954
CONUS LOOMISI DALL & OCHSNER 1928, 954
CONUS OWENIANA ANDERSON 1905, 45
CONUS SUBMONILIFER ANDERSON & HANNA 1925, 51
CONUS TUBERACOLA ANDERSON 1929, 50
CONUS WEAVERI DICKERSON 1915, 1057
CONVOLVULUS, 2047, 2091
CONVOLVULUS AURICULAEFOLIUS EASTWOOD 1940, 1227
CONVOLVULUS BERRYI EASTWOOD 1902, 1141
CONVOLVULUS BINGAMIAE GREENE 1887, 1642
CONVOLVULUS FULCRATUS GREENE 1885, 1636
CONVOLVULUS MACROSTEGIUS GREENE 1885, 1636
CONVOLVULUS OCCIDENTALIS VAR. PURPURATUS (GREENE) HOWELL 1947 [COMB. NOV.], 2091
CONVOLVULUS OCCIDENTALIS VAR. SAXICOLA (GREENE) HOWELL 1947 [COMB. NOV.], 2091
CONVOLVULUS TRIDACTYLUS EASTWOOD 1931, 1146
CONYZA SALICENA KELLOGG 1863, 2513
COOPERELLA CARPENTER 1865, 700
COOPERELLA SCINTILLAEFORMIS CARPENTER 1865, 700
COPAEODES CANDIDA WRIGHT 1890, 4008
COPEPODS, 2311
COPHURA CYRTOPOGONA COLE 1919, 788
COPIDITA MIMETICA HORN 1896, 1938
COPIDITA SUTURALIS HORN 1896, 1938
COPTURUS SOBRINUS HORN 1895, 1936
COPYTUS CALIGULA SKOGSBERG 1939, 3413
COPYTUS SKOGSBERG 1939, 3413
COQUILLETTIA FOXI VAN DUZEE 1921, 3798
COQUILLETTIA UHLERI VAN DUZEE 1921, 3798
CORALLOPSIS EXCAVATA SETCHELL 7 GARDNER 1924, 3387
CORALLORHIZA MACULATA VAR. IMMACULATA PECK 1954, 3095
CORALS, 1103, 1104, 2769, 3470, 3947, 3949, 3951, 3952, 3953, 3955, 3960, 3961, 3962, 3963, 3964, 3965, 3966
CORAMBELLA BOLINI MACFARLAND 1966, 2789
CORAMBE PACIFICA MACFARLAND & O'DONOGHUE 1929, 2791
CORBICULA WILLIAMSONI ANDERSON & HANNA 1925, 51
CORBIS PENINSULARIS ANDERSON & HANNA 1935, 52
CORBULA CEBADA ANDERSON 1928, 49
CORBULA DILATATA WARING 1917, 3858
CORBULA HARRISI DICKERSON 1915, 1057
CORBULA HETTNERI ANDERSON 1928, 49
CORBULA LUTEOLA CARPENTER 1865, 700
CORBULA SCHEIBEI ANDERSON 1928, 49
CORBULA UVASANA DICKERSON 1915, 1057
CORBULA WOODSI HANNA & ISRAELSKY 1925, 1753
CORDYLANTHUS BERNARDINUS MUNZ 1946, 2976
CORDYLANTHUS NEVADENSIS EDWIN 1959, 1305
CORDYLANTHUS NIDULARIUS HOWELL 1943, 2053
CORIMELAENA OBTUSA UHLER 1894, 3728
CORINNA PENINSULANA BANKS 1898, 259
CORIOLUS INSULARIS COOKE & BONAR 1961, 816
CORISA INSCRIPTA UHLER 1894, 3728
CORONILLA LIBO WANG 2003, 3857
CORONILLA SUBSIGILLATA WANG 2003, 3857
CORONOPUS, 3127
CORONYMPHA OCTONARIA KIRBY 1939, 2614
COROPHIUM SPINICORNE STIMPSON 1856, 3572, 3573
CORRIGENDA, 290, 293, 689, 1802, 1876, 1883, 2152, 2157, 2958, 3058
CORSICA, 623
CORYDALIS AQUAE-GELIDAE PECK & WILSON 1956, 3097
CORYDORAS HASTATUS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
CORYNABUTILINAE KEARNEY 1949, 2368
CORYNABUTILON BICOLOR (PHIL.) KEARNEY 1949 [COMB. NOV.], 2368
CORYNABUTILON CERATOCARPUM (HOOK. & ARN.) KEARNEY 1949 [COMB. NOV.], 2368
CORYNABUTILON OCHSENII (PHIL.) KEARNEY 1949 [COMB. NOV.], 2368
CORYNABUTILON VITIFOLIUM (CAV.) KEARNEY 1949 [COMB. NOV.], 2368
CORYPHAENOIDES CASTANEUS SHCHERBACHEV & IWAMOTO 1995, 3391
CORYPHAENOIDES GRAHAMI IWAMOTO & SHCHERBACHEV 1991, 2275
CORYPHAENOIDES MCMILLANI IWAMOTO & SHCHERBACHEV 1991, 2275
CORYPHAENOIDES MYERSI IWAMOTO & SAZANOV 1988, 2273
CORYPHAENOIDES OREINOS IWAMOTO & SAZONOV 1988, 2273
CORYPHAENOIDES SERRULATUS OCEANUS IWAMOTO & SHCHERBACHEV 1991, 2275
CORYPHELLA FISHERI MACFARLAND 1966, 2789
CORYPHELLA PRICEI MACFARLAND 1966, 2789
CORYTHOICHTHYS PROFUNDUS HERALD 1965, 1836
CORYTHUCA BULLATA VAN DUZEE 1917, 3795
CORYTHUCA CAELATA UHLER 1894, 3728

CORYTHUCA HISPIDA UHLER 1894, 3728
CORYTHUCA INCURVATA UHLER 1894, 3728
CORYTHUCHA MACULATA VAN DUZEE 1917, 3795
COSCINODISCUS EVERMANNI HANNA & GRANT 1926, 1748
COSCINODISCUS HERTLEINI HANNA & GRANT 1926, 1748
COSCINODISCUS IMMACULATUS HANNA 1927, 1734
COSCINODISCUS MASONI HANNA & GRANT 1926, 1748
COSCINODISCUS MEDITATUS HANNA 1932, 1737
COSCINODISCUS MOHOLENSIS SCHRADER 1974, 3371
COSCINODISCUS MORENOENSIS HANNA 1927, 1734
COSCINODISCUS STEINYI HANNA 1927, 1734
COSCINOPTERA INORNATA FALL 1927, 1417
COSMINA UPEMBAE ZUMPT 1967, 4045
COSMOCHILUS CARDINALIS CHU & ROBERTS 1985, 748
COSSON (ERNEST), 1894
COSTA RICA, 27, 495, 677, 678, 742, 754, 1104, 1471, 1562, 1569, 1570, 1643, 1796, 1866, 1900, 2294, 2638, 2639, 2640, 2720, 2739, 2779, 2992, 2993, 3155, 3214, 3571, 3588, 3712, 3739
COSTITACHYS TENA ERWIN & KAVANAUGH 2007, 1363
COTTIDAE:SCORPAENIFORMES, 3862, 3872
COTTOCLINUS CANOPS MCCOSKER & STEPHENS & ROSENBLATT 2003, 2878
COTTOCLINUS MCCOSKER & STEPHENS & ROSENBLATT 2003, 2878
COTTUS ANNAE JORDAN & STARKS 1896, 2334
COTTUS SHASTA JORDAN & STARKS 1896, 2334
COTYLEDON NUBIGENA BRANDEGEE 1891, 541
COTYLEDON RUBENS BRANDEGEE 1889, 524
CRABRO IMBUTUS FOX 1894, 1465
CRANGON ALASKENSIS LOCKINGTON 1877, 2750
CRANGON ALBA HOLMES 1900, 1908
CRANGON FRANCISCORUM STIMPSON 1856, 3572, 3573
CRANGON LOCKINGTONII HOLMES 1904, 1910
CRANGON NIGRICAUDA STIMPSON 1856, 3572, 3573
CRANGON NIGROMACULATA LOCKINGTON 1877, 2750
CRANGON STYLIROSTRIS HOLMES 1900, 1908
CRASSATELLITES PIZARROI HANNA & ISRAELSKY 1925, 1753
CRASSATELLITES TRIANGULATUS WARING 1917, 3858
CRASSINELLA MINUTA ANDERSON 1928, 49
CRASSISPIRA STARRI HERTLEIN & JORDAN 1927, 1873
CRASSITELLITES SUBGIBBOSUS HANNA 1926, 1732
CRATENA ABRONIA MACFARLAND 1966, 2789
CRATENA ALBOCRUSTA MACFARLAND 1966, 2789
CRATENA FLOVOVULTA MACFARLAND 1966, 2789
CRATENA FULGENS MACFARLAND 1966, 2789
CRATENA RUTILA MACFARLAND 1966, 2789
CRATENA SPADIX MACFARLAND 1966, 2789
CRATENA VIRENS MACFARLAND 1966, 2789
CRATOSPILA MEXICANA FOX 1893, 1464
CREASTOGASTER SCULPTURATA PERGANDE 1895, 3114
CREMASTOCEPHALUS TRILOBATUS SCHÖTT 1896, 3370
CREMATOGASTER BREVISPINOSA CHATHAMENSIS WHEELER 1933, 3892
CREMNOPS MELANOPTERA ASHMEAD 1894, 129
CRENILABRUS MODESTUS GARRETT 1864, 1506
CRENIPHILUS ELEGANS HALL 1901, 1718
CREONTIADES FERNANDINUS CARVALHO 1968, 706
CREONTIADES PUNCTATUS CARVALHO 1968, 706
CREONTIADES VITTATUS CARVALHO 1968, 706
CREPIDODERA PENINSULARIS HORN 1895, 1936
CREPIS, 218, 2097
CREPIS OCCIDENTALIS VAR. NEVADENSIS KELLOGG 1873, 2569
CREPIS OCCIDENTALIS VAR SUBACAULIS KELLOGG 1873, 2569
CRETACEOUS, 44, 52, 76, 453, 751, 863, 924, 1489, 1493, 1734, 2817, 3010, 3463, 3681, 3698
CRIORHINA AUREA LOVETT 1919, 788
CRIORHINA GRANDIS LOVETT 1921, 789
CRIORHINA LUNA LOVETT 1919, 788
CRIORHINA QUADRIBOSCIS LOVETT 1919, 788
CRISIA OCCIDENTALIS TRASK 1857, 3685, 3703
CRISIDIA GRACILIS TRASK 1857, 3685, 3703
CRISTELLARIA MEXICANA NUDICOSTATA CUSHMAN & HANNA 1927, 925
CRISTELLARIA MIOCENICA CHAPMAN 1900, 725
CROCIDIUM, 3022, 3872
CROCKER (CHARLES), 1879
CROCKERIA CHRYSANTHA GREENE 1885, 1634
CROCKERIA GREENE 1885, 1634
CROCKERIDIUS CLARK 1936, 755
CROCKERIDIUS ODYSSEUS CLARK 1936, 755
CROCODILES, 62
CROSSIDIUS AUSTALIS LINSLEY 1942, 2736
CROTALUS PRICEI VAN DENBURGH 1895, 3751
CROTALUS TORTUGENSIS VAN DENBURGH & SLEVIN 1921, 3791
CROTAPHYTUS INSULARIS VAN DENBURGH & SLEVIN 1921, 3790
CROTON COATEPENSIS BRANDEGEE 1908, 577
CROTON (DECARINIUM) MAGDALENAE MILLSPAUGH 1889, 2932
CROTON JUCUNDUS BRANDEGEE 1905, 573
CROTON LONGIPES JONES 1895, 2326
CROTON MASONII JOHNSTON 1931, 2314
CRUSTACEA, 701, 937, 947, 1767, 1768, 2747, 2748,

2750, 2755, 3572, 3573, 3684, 3702, 3839, 3842, 3843
CRUSTACEA:ANOMURA, 1906, 3369
CRUSTACEA:ASCOTHORACIDA, 1703
CRUSTACEA:BRACHYURA, 1906, 1910, 3187
CRUSTACEA:ISOPODA:BOPYRIDAE, 3967
CRUSTACEA:MARCRURA, 3369
CRUSTACEA:PHYLLOPODA, 1906
CRUSTACEA:POLYCHERIA, 3412
CRUSTACEA:SCHIZOPODA, 1906
CRYOGORGIA KOOLSAE WILLIAMS 2005, 3955
CRYPTACTITES BAUER & GOOD & BRANCH 1997, 315
CRYPTADIUS ANGULATUS BLAISDELL 1923, 405
CRYPTADIUS SINUATUS BLAISDELL 1923, 405
CRYPTADIUS TARSALIS BLAISDELL 1923, 405
CRYPTANTHA ANGELICA JOHNSTON 1924, 2313
CRYPTANTHA CIRCUMSCISSA VAR. ROSULATA HOWELL 1951, 2124
CRYPTANTHA (OREOCARYA) SEMIGLABRA BARNEBY 1943, 274
CRYPTANTHE VITREA EASTWOOD 1902, 1141
CRYPTOCLOTHODA ROSS 1987, 3305
CRYPTOCLOTHODA SPINULA ROSS 1987, 3305
CRYPTOLEPAS DALL 1872, 938
CRYPTOLEPAS RACHIANECTI DALL 1872, 938
CRYPTOPHRYS PUBESCENS HOLMES 1895, 1906
CRYTEMBIA AMAZONICA ROSS 2003, 3310
CRYTEMBIA ANANDRA ROSS 2003, 3310
CRYTEMBIA CAPRILESI ROSS 2003, 3310
CRYTEMBIA FUSCA ROSS 2003, 3310
CRYTEMBIA MACOAE ROSS 2003, 3310
CRYTEMBIA MANAUARA ROSS 2003, 3310
CRYTEMBIA MULTICOLOR ROSS 2003, 3310
CRYTEMBIA PARAENSE ROSS 2003, 3310
CRYTEMBIA RONDONIA ROSS 2003, 3310
CRYTEMBIA ROSS 2003, 3310
CRYTEMBIINAE ROSS 2003, 3310
CRYTOPELTIS AFFINIS GAGNE 1968, 706
CRYTOPELTIS ARIDA GAGNE 1968, 706
CRYTOPELTIS FLOREANAE GAGNE 1968, 706
CRYTOPELTIS GUMMIFERAE GAGNE 1968, 706
CRYTOPELTIS HELLERI GAGNE 1968, 706
CRYTOPELTIS MODESTA GAGNE 1968, 706
CTENACIS COMPAGNO 1973, 794
CTENITIS BALENSIS SMITH 1975, 3453
CTENITIS BULLATA SMITH 1975, 3453
CTENITIS PLEIOSORA (HOOKER) MORTON 1957 [COMB. NOV.], 2956
CTENITIS THELYPTEROIDES SMITH 1975, 3453
CTENITIS URSINA SMITH 1975, 3453
CTENOBIUM CINEREUM HORN 1894, 1935
CTENOGOBIUS CLARKI EVERMANN & SHAW 1927, 1400
CTENORHINUS GIBBONS 1855, 1544, 1546
CTENORHINUS SETIMANUS GIBBONS 1855, 1544, 1546
CTENUCHA WALSINGHAMII EDWARDS 1873, 1277
CUBA, 1471, 3742
CUCULLAEA YOUNGI WARING 1917, 3858
CULCICIDAE, 99
CULTIVATION, 1222, 3349
CUPHEA DELICATULA BRANDEGEE 1905, 573
CUPHEA HUMAYANA BRANDEGEE 1905, 573
CUPRESSUS, 2200, 3719
CUPRESSUS FRAGRANS KELLOGG 1857, 321, 322, 2452, 2564
CUPRESSUS MACNABIANA EASTWOOD 1900, 1126
CURRAN (CHARLES HOWARD), 125
CUSCUTA, 2223
CUSCUTA CEANOTHI BEHR 1854, 335, 346
CUSCUTA HOWELLIANA RUBTZOFF 1966, 3340
CUSCUTA VEATCHII BRANDEGEE 1889, 524
CUSPIDARIA LANIERI STRONG & HERTLEIN 1937, 3602
CUSSIA LANCETTULA SCHRADER 1974, 3371
CUSSIA MOHOLENSIS SCHRADER 1974, 3371
CUSSIA SCHRADER 1974, 3371
CUTHONA RIOSI HERMOSILLO & VALDES 2008, 1855
CUTHONA ROSEA MACFARLAND 1966, 2789
CYAMUS GRACILIS DALL 1874, 947
CYAMUS MYSTICETI DALL 1872, 937
CYAMUS SCAMMONI DALL 1872, 937
CYAMUS SUFFUSUS DALL 1872, 937
CYAMUS TENTATOR DALL 1874, 947
CYANCHUM MULEGENSIS WIGGINS 1965, 3926
CYARDA SUBFALCATA VAN DUZEE 1923, 3802
CYATHOPOMA MICRONICUM YEN 1948, 4020
CYATHOPOMA PLANORBOIDES YEN 1948, 4020
CYBAEUS MINOR BANKS 1904, 260
CYCLADENIA JONESII EASTWOOD 1942, 1237
CYCLANTHERA (EUCYCLANTHERA) TESTUDINEA BRANDEGEE 1891, 541
CYCLANTHERA MONOSPERMA BRANDEGEE 1889, 524
CYCLOBOTHRA COERULEA KELLOGG 1858, 2453
CYCLOBOTHRA OBISPOENSIS (LEMMON) HOOVER 1966 [COMB. NOV.], 1934
CYCLORHIPIDION SQUAMULATUM (BEAVER & LÖYTTYNIEMI) DOLE & COGNATO 2010 [COMB. NOV.], 1074
CYCLOSTREMA MARIAE BAKER & HANNA & STRONG 1938, 237
CYCLOSTREMA SPICERI BAKER & HANNA & STRONG 1938, 237
CYCLOSTREMISCUS SOLITARIUS HERTLEIN & ALLISON 1968, 1872
CYCLOTELLA GAMMA SOVEREIGN 1963, 3488
CYCLOTELLA KELLOGGI HANNA 1932, 1737
CYCLOXANTHOPS RUGOSA HOLMES 1900, 1908
CYLICHNELLA DEFUNCTA BAKER & HANNA 1927, 233

CYLICHNELLA FANTASMA BAKER & HANNA 1927, 233
CYLICHNELLA GOSLINERI VALDÉS & CAMACHO-GARCIA 2004, 3739
CYLICHNELLA TANTILLA ANDERSON & HANNA 1925, 51
CYLINDROSPORIUM GLYCYRRHIZAE HARKNESS 1884, 1773
CYMATODERA INTERMEDIA BARR 1950, 309
CYMATODERA MINACIS BARR 1950, 309
CYMATODERA PICIPENNIS BARR 1950, 309
CYMATODERA PURPURICOLLIS HORN 1894, 1935
CYMATOSIRA ANDERSONI HANNA 1932, 1737
CYMATOSYRINX ZETEKI DALL & OCHSNER 1928, 954
CYMBELLA COUEENSIS SOVEREIGN 1963, 3488
CYMBELLA RAINIERENSIS SOVEREIGN 1963, 3488
CYMIA HEIMI HERTLEIN & JORDAN 1927, 1873
CYMINDIS CALIFORNICA HORN 1895, 1936
CYMOPTERUS MEGACEPHALUS JONES 1891, 2319
CYMOPTERUS MONTANUS VAR. PEDUNCULATUS JONES 1895, 2326
CYMOPTERUS RIPLEYI BARNEBY 1941, 269
CYMOPTERUS RIPLEYI VAR. SANICULOIDES BARNEBY 1941, 269
CYMOPTERUS UTAHENSIS JONES 1895, 2326
CYMOPTERUS UTAHENSIS VAR. EASTWOODAE JONES 1895, 2326
CYMOTERUS IRAPENSIS JONES 1893, 2321
CYNOGLOSSUM VIRIDE EASTWOOD 1896, 1123
CYNOSCION PARVIPINNIS AYRES 1862, 176
CYNOSURUS, 2098
CYPERACEAE, 3608
CYPERUS, 3020
CYPERUS ARSENII O'NEILL & BENEDICT 1944, 3021
CYPERUS DIOICUS JOHNSTON 1924, 2313
CYPERUS DURIPES JOHNSTON 1931, 2314
CYPERUS HOWELLII O'NEILL & BENEDICT 1944, 3021
CYPERUS PENNELLII O'NEILL & BENEDICT 1944, 3021
CYPHOMYRMEX FLAVIDUS PERGANDE 1895, 3114
CYPRAEA ALUMENSIS INGRAM 1948, 2258
CYPRAEA AMANDUSI HERTLEIN & JORDAN 1927, 1873
CYPRAEA APALACHICOLAE INGRAM 1948, 2258
CYPRAEA DARWINI INGRAM 1948, 2259
CYPRAEA FRESNOENSIS ANDERSON 1905, 45
CYPRAEA HERTLEINI INGRAM 1948, 2258
CYPRAEA KERNIANA ANDERSON & HANNA 1925, 51
CYPRINIFORMES:HOMALOPTERIDAE, 3275
CYPRINODON NEVADENSIS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1316
CYPSELURUS CROCKERI SEALE 1935, 3380
CYPSELURUS ZACA SEALE 1935, 3380
CYPTOBUNUS UNGULATUS MADHOUSENSIS BRIGGS 1971, 590
CYPTOBUNUS UNGULATUS UNGULATUS BRIGGS 1971, 590
CYRENA DUMBLEI ANDERSON 1905, 45
CYRTODACTYLUS, 313
CYRTODACTYLUS AEQUALIS BAUER 2003, 314
CYRTODACTYLUS ANNANDALEI BAUER 2003, 314
CYRTODACTYLUS AYEYARWADYENSIS BAUER 2003, 314
CYRTODACTYLUS BREVIDACTYLUS BAUER 2002, 313
CYRTODACTYLUS CHRYSOPYLOS BAUER 2003, 314
CYRTODACTYLUS GANSI BAUER 2003, 314
CYRTODACTYLUS RUSSELLI BAUER 2003, 314
CYRTODACTYLUS SLOWINSKII BAUER 2002, 313
CYRTODACTYLUS WAKEORUM BAUER 2003, 314
CYRTOLOBUS PICTUS VAN DUZEE 1925, 3804
CYRTOPOGON ANOMALUS COLE 1919, 788
CYRTOPOGON AURATUS COLE 1919, 788
CYRTOPOGON INFUSCATUS COLE 1919, 788
CYRTOPOGON PERSPICAX COLE 1919, 788
CYRTOPOGON THOMPSONI COLE 1921, 789
CYSLOSTREMA LOWEI BAKER & HANNA & STRONG 1938, 237
CYTHEREA DIABLOENSIS ANDERSON 1905, 45
CYTHEREIS AURITA SKOGSBERG 1928, 3410
CYTHEREIS DISCOPHORA SKOGSBERG 1928, 3410
CYTHEREIS EPHIPPIATA SKOGSBERG 1928, 3410
CYTHEREIS FALCATA SKOGSBERG 1928, 3410
CYTHEREIS FREQUENS SKOGSBERG 1928, 3410
CYTHEREIS GLAUCA SKOGSBERG 1928, 3410
CYTHEREIS IGANDERSSONI SKOGSBERG 1928, 3410
CYTHEREIS LONGIDUCTUS SKOGSBERG 1928, 3410
CYTHEREIS MEGALODISCUS SKOGSBERG 1928, 3410
CYTHEREIS MESODISCUS SKOGSBERG 1928, 3410
CYTHEREIS MONTEREYENSIS SKOGSBERG 1928, 3410
CYTHEREIS PACIFICA SKOGSBERG 1928, 3410
CYTHEREIS PLATYCOPA SKOGSBERG 1928, 3410
CYTHEREIS POLITA SKOGSBERG 1928, 3410
CYTHEREIS RADIATA SKOGSBERG 1928, 3410
CYTHEREIS RECURVIROSTRA SKOGSBERG 1928, 3410
CYTHEREIS ROBUSTA SKOGSBERG 1928, 3410
CYTHEREIS SPINIFERA SKOGSBERG 1928, 3410
CYTHEREIS TAENIATA SKOGSBERG 1928, 3410
CYTHEREIS THEELI SKOGSBERG 1928, 3410
CYTHEREIS TORQUATA SKOGSBERG 1928, 3410
CYTHEROMA SIMILIS SKOGSBERG 1950, 3416
CYTHNA ALBIDA CARPENTER 1866, 700
CZENOHYOLA PLEURALIS CURRAN 1936, 914
DACTYLOCERCA CHIHUAHUAE ROSS 2003, 3310

DACTYLOCERCA DURANGOA ROSS 2003, 3310
DACTYLOCERCA FERRUGINEA ROSS 2003, 3310
DACTYLOCERCA FLAVICOLLIS ROSS 1984, 3304
DACTYLOCERCA MULTISPICULATA ROSS 1984, 3304
DACTYLOCERCA PARVA ROSS 2003, 3310
DACTYLOCERCA SONORAE ROSS 2003, 3310
DACTYLOCERCA XANTHOSOMA ROSS 2003, 3310
DACTYLODEICTES INSULARIS JAMES 1966, 2291
DACTYLOPIUS COMSTOCKI KUWANA 1902, 2644
DACTYLOPIUS KRAUNHIAE KUWANA 1902, 2644
DACTYLOPIUS PINI KUWANA 1902, 2644
DACTYLOPIUS SEQUOIAE COLEMAN 1901, 790
DACTYLOSCOPIDAE, 1040
DAGBERRUS FORMOSUS CARVALHO 1968, 706
DAGBERTUS FIGURATUS GAGNE 1968, 706
DAGBERTUS LINEATUS GAGNE 1968, 706
DAGBERTUS MARMORATUS CARVALHO 1968, 706
DAGBERTUS NIGRIFRONS GAGNE 1968, 706
DALEA BECHTELII WIGGINS 1965, 3926
DALEA BENTHAMI BRANDEGEE 1889, 524
DALEA ERYTHRORHIZA GREENMAN 1904, 1660
DALEA EVANESCENS BRANDEGEE 1889, 524
DALEA MARITIMA BRANDEGEE 1891, 541
DALEA TINCTORIA BRANDEGEE 1889, 524
DALEA TINCTORIA VAR. ARENARIA BRANDEGEE 1889, 524
DALEA VETULA BRANDEGEE 1889, 524
DALMANNIA HIRSUTA VAN DUZEE 1927, 3812
DAMIANI (GIACOMO), 219
DAMPIER (WILLIAM), 3954, 3959
DANTHONIA CALIFORNICA BOLANDER 1862, 475
DAPHNELLA CLATHRATA GABB 1865, 1492
DARWIN (CHARLES), 1085, 1527, 1528, 1529, 1549, 1625, 1839, 1899, 2290, 2662, 2699, 2743, 2876, 3139, 3821
DARWINNEON CRYPTICUS CUTLER 1971, 926
DARWINNEON CUTLER 1971, 926
DARWIN'S FINCHES, 491, 1625
DARWINYSIUS WENMANENSIS ASHLOCK 1972, 132
DASCALIA EDAX VAN DUZEE 1923, 3802
DASYA EASTWOODAE SETCHELL & GARDNER 1930, 3388
DASYATIDAE, 798
DASYATIS MARGARITELLA COMPAGNO & ROBERTS 1984, 798
DASYHELEA PARACINCTA WIRTH 1969, 3992
DASYHELEA SPATHICERCUS WIRTH 1969, 3992
DASYTASTES INUSLARIS HALL 1901, 1718
DASYTASTES LEOPARDUS BLAISDELL 1924, 407
DASYTASTES MACULATUS BLAISDELL 1924, 407
DASYTASTES SPARSUS BLAISDELL 1923, 406
DASYTES CLEMENTAE HALL 1901, 1718
DASYTES MUSCULUS HALL 1901, 1718
DAVIDSON (GEORGE), 1064
DAVIES (THOMAS WILLIAM), 107
DECARTHRON BRENDELI CASEY 1887, 711
DEKAYA ANOMALA COOPER 1863, 823
DEKAYA COOPER 1863, 823
DELPHACODES INACHUS FENNAH 1956, 1423
DELPHINIUM ANTONINUM EASTWOOD 1942, 1235
DELPHINIUM ARMENISACUM HELLER 1940, 1816
DELPHINIUM CALIFORNICUM VAR. INTERIUS EASTWOOD 1938, 1212
DELPHINIUM FLAMMEUM KELLOGG 1859, 2468
DELPHINIUM OCCIDENTALE VAR. GRISEUM ST.JOHN 1960, 3351
DELPHINIUM SCOPULORUS VAR. ATTENUATUM JONES 1895, 2326
DELPHINIUM ULIGINOSUM CURRAN 1885, 917
DELPHINOIDEA CORONADOENSIS ARNOLD 1903, 126
DELPHINOIDEA GRANTI BAKER & HANNA & STRONG 1938, 237
DELPHINOIDEA LUCASANA BAKER & HANNA & STRONG 1938, 237
DELPHINOIDEA SPIRITUALIS BAKER & HANNA & STRONG 1938, 237
DELPHINOIDEA STEPHENSEA BAKER & HANNA & STRONG 1938, 237
DELPHINUS BAIRDII DALL 1873, 942
DELTANIA BENHAMI EISEN 1893, 1335
DELTANIA EISEN 1893, 1335
DELTANIA TROVERI EISEN 1893, 1335
DELTANIA TROYERI N.VAR. CRASSA EISEN 1896, 1340
DELTANIA TROYERI N.VAR. LAGUNAE EISEN 1896, 1340
DELTISTES SEALE 1896, 3378
DELTOCEPHALUS CAHUILLA VAN DUZEE 1925, 3804
DELTOCEPHALUS CONTRERASI VAN DUZEE 1923, 3802
DELTOCEPHALUS DISCESSUS VAN DUZEE 1925, 3804
DELTOCEPHALUS ZEPHYRIUS VAN DUZEE 1925, 3804
DELTURUS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
DELTURUS PARAHYBAE C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
DEMOISELLEA PEREGRINA CLARK 1936, 755
DENDRAGAPUS OBSCURUS PALLIDUS SWARTH 1931, 3621
DENDRASTER SULLIVANI DURHAM & MORGAN 1978, 1105
DENDRODOA ABBOTTI NEWBERRY 1984, 2999
DENDRODORIS AZINEAE BEHRENS & VALDÉS 2004, 371
DENDRODORIS BEHRENSI MILLEN & BERTSCH 2005, 2915
DENDRODORIS STOHLERI MILLEN & BERTSCH

2005, 2915
DENDROGASTER FISHERI GRYGIER 1982, 1703
DENDROGASTER PUNCTATA GRYGIER 1982, 1703
DENDROMECON HARFORDII KELLOGG 1873, 2572
DENDRONOTUS ALBUS MACFARLAND 1966, 2789
DENDRONOTUS IRIS COOPER 1863, 821
DENDRONOTUS SUBRANOSUS MACFARLAND 1966, 2789
DENDRONOTUS VENUSTUS MACFARLAND 1966, 2789
DENDROSCOPOS SCALARIS SOULEI BANKS 1963, 264
DENDRYPHANTES AENEOLUS CURTIS 1893, 923
DENDRYPHANTES APECHECUS CHAMBERLIN 1925, 718
DENDRYPHANTES CARMENENSIS CHAMBERLIN 1924, 717
DENDRYPHANTES CHERA CHAMBERLIN 1924, 717
DENDRYPHANTES GUTTATUS BANKS 1904, 260
DENDRYPHANTES HELENAE BANKS 1921, 261
DENDRYPHANTES MATHETES CHAMBERLIN 1925, 718
DENDRYPHANTES MIMUS CHAMBERLIN 1925, 718
DENDRYPHANTES MYLOTHRUS CHAMBERLIN 1925, 718
DENDRYPHANTES SAUSALITANUS CHAMBERLIN 1925, 718
DENTALINA GRAHAMI CHURCH 1968, 751
DENTALIUM BERRYI SMITH & GORDON 1948, 3449
DENTALIUM GRANADANUM ANDERSON 1929, 50
DENTALIUM HANNAI BAKER 1925, 231
DENTALIUM STENTOR ANDERSON & HANNA 1925, 51
DENTALIUM WHITEAVESI ANDERSON & HANNA 1935, 52
DENTICETOPSIS FERRARIS 1996, 1426
DENTICETOPSIS ROYEROI FERRARIS 1996, 1426
DENTICETOPSIS SAULI FERRARIS 1996, 1426
DENTICULA RAINIERENSIS SOVEREIGN 1963, 3488
DENTIROSTRUM HERALD & RANDALL 1972, 1838
DENTIROSTRUM JANSSI HERALD & RANDALL 1972, 1838
DERAEOCORIS CERACHATES UHLER 1894, 3728
DERMAPTERA, 2737
DERMOCARPA MARCHANTAE SETCHELL & GARDNER 1924, 3387
DERMOCARPA REINSCHII SETCHELL & GARDNER 1924, 3387
DERMOCARPA SIMULANS SETCHELL & GARDNER 1937, 3389
DERMOCARPA SPHAERICA GALAPAGENSIS SETCHELL & GARDNER 1937, 3389
DERMOCHELYS, 3758
DERMOPTERA, 1806
DESCHAMPSIA, 815, 2030, 2112
DESMANTHUS OLIGOSPERMUS BRANDEGEE 1891, 541
DESMATODON CALIFORNICUS LESQUEREUX 1868, 2688
DESMIPHORA MACULOSA LINSLEY & CHEMSAK 1966, 2738
DESMOCERAS ASHLANDICUM ANDERSON 1902, 44
DESMOCERAS COLUSAENSE ANDERSON 1902, 44
DESMOCERAS DILLERI ANDERSON 1902, 44
DESMOCERAS LECONTEI ANDERSON 1902, 44
DESMOCERAS SUBQUADRATUM ANDERSON 1902, 44
DESMOCERAS VOYI ANDERSON 1902, 44
DESMODIUM CHARTACEUM BRANDEGEE 1905, 573
DESMODIUM (HETEROLOMA) PROSTRATUM BRANDEGEE 1891, 541
DESMODIUM LUNATUM BRANDEGEE 1908, 577
DESMODIUM TASTENCE BRANDEGEE 1901, 568
DESMOMETOPA ANUDA CURRAN 1936, 914
DESVENTURADAS ISLAND, 2642
DEVELOPMENTAL MORPHOLOGY, 681, 682, 2653, 3461, 3462
DEXAMINE SCITULUS HARFORD 1877, 1768
DIADASIA AUSTRALIS PETRINUS COCKERELL 1923, 774
DIADOPHIS ANTHONYI VAN DENBURGH & SLEVIN 1923, 3792
DIALA ACUTA CARPENTER 1866, 700
DIALA MARMOREA CARPENTER 1866, 700
DIALYTA NIGROPOLITA MALLOCH 1919, 2814
DIAMONDS, 3403, 3915
DIANTHERA INCERTA BRANDEGEE 1892, 552
DIANTHIDIUM PLATYURUM COCKERELL 1923, 774
DIANTHIDIUM PROFUGUM COCKERELL 1923, 774
DIANTHUS, 2216, 3270
DIAPHENCHELYS MCCOSKER & RANDALL 2007, 2871
DIAPHENCHELYS PELONATES MCCOSKER & RANDALL 2007, 2871
DIAPHORUS ARGENTIPALPIS VAN DUZEE 1923, 3810
DIAPHUS C.H.EIGENMANN & R.S.EIGENMANN 1890, 1320
DIAPHUS SIMILIS WISNER 1974, 3993
DIAPHUS THETA C.H.EIGENMANN & R.S.EIGENMANN 1890, 1320
DIAPHUS TRACHOPS WISNER 1974, 3993
DIAPORTHE EUCALYPTI HARKNESS 1884, 1773
DIAPORTHE LUPINI HARKNESS 1884, 1773
DIASTEMA SLEVINI STRONG 1938, 3597
DIATOMS, 1, 24, 60, 310, 418, 420, 421, 422, 440, 587, 663, 664, 694, 723, 799, 809, 888, 927, 1449, 1459, 1460, 1461, 1482, 1484, 1494, 1516, 1560, 1679, 1734, 1737, 1743, 1744, 1745, 1748, 1749, 1769, 1791, 1831, 2256, 2300, 2301, 2349, 2610, 2611, 2609, 2612, 2613, 2615, 2617, 2619, 2620, 2621, 2623, 2624, 2625, 2626, 2627, 2628, 2635, 2636, 2663, 2676, 2687, 2717, 2771,

2772, 2801, 2802, 2812, 2813, 2826, 2843, 2906, 2907, 2912, 2952, 3010, 3015, 3042, 3223, 3251, 3256, 3289, 3315, 3371, 3397, 3482, 3488, 3489, 3565, 3576, 3592, 3638, 3729, 3860, 3863, 3894, 3896, 3913, 3942, 3943, 3968, 4005, 4006
DIBRANCHUS ACCINCTUS BRADBURY 1999, 494
DICENTRA NEVADENSIS EASTWOOD 1931, 1146
DICENTRA OREGANA EASTWOOD 1931, 1146
DICENTRA UNIFLORA KELLOGG 1871, 2519
DICHAETOMYIA (DICHAETOMYIA) NIGRA COURI & PONT & PENNY 2006, 875
DICHAETOMYIA (DICHAETOMYIA) TRICOLORATA COURI & PONT & PENNY 2006, 875
DICHAETOMYIA (PANAGA) COLORATA COURI & PONT & PENNY 2006, 875
DICHAETOMYIA (PANAGA) FLABELLIFERA COURI & PONT & PENNY 2006, 875
DICHELACERA AURIPILIS PHILIP 1960, 3116
DICHELONYCHA PICEA HORN 1894, 1935
DICHOGASTER CRAWI EISEN 1900, 1343
DICHOGASTER RIBAUCOURTI EISEN 1900, 1343
DICHOGASTER TOWNSENDI EISEN 1900, 1343
DICHROOSCYTUS VITTATUS VAN DUZEE 1921, 3798
DICLADIA PYLEA HANNA & GRANT 1926, 1748
DICLADOCERA TINCTIPENNIS PHILIP 1960, 3116
DICLIPTERA FORMOSA BRANDEGEE 1891, 541
DICLIPTERA NOVOGALICIANA DANIEL 2009, 976
DICORIA PANICULATA EASTWOOD 1896, 1122
DICRANEMA ROSALIAE SETCHELL & GARDNER 1924, 3387
DICRANIDION FRAGILE HARKNESS 1885, 1774
DICRANIDION HARKNESS 1885, 1774
DICROPALTUM ALAMOSAE MARTIN 1975, 2831
DICROPALTUM MARTIN 1975, 2831
DICROPALTUM PAWNEEAE MARTIN 1975, 2831
DICTYNA AVARA BANKS 1898, 259
DICTYNA CALCARATA BANKS 1904, 260
DICTYNA MINIATA BANKS 1898, 259
DICTYNA MULEGENSIS CHAMBERLIN 1924, 717
DICTYNA PARCITA CHAMBERLIN 1924, 717
DICTYNINA PALLIDA BANKS 1904, 260
DICTYOLATHYS CALIFORNICA BANKS 1904, 260
DICTYOTA CRIBROSA SETCHELL & GARDNER 1930, 3388
DICTYOTA HESPERIA SETCHELL & GARDNER 1924, 3387
DICTYOTA JOHNSTONII SETCHELL & GARDNER 1924, 3387
DICTYOTA MASONII SETCHELL & GARDNER 1930, 3388
DICYPHUS DIFFRACTUS VAN DUZEE 1923, 3802
DICYPHUS DISCLUSUS VAN DUZEE 1923, 3802
DICYPHUS ELONGATUS VAN DUZEE 1917, 3795
DICYPHUS RUFESCENS VAN DUZEE 1917, 3795
DIDEA PACIFICA LOVETT 1919, 788
DIDYMARIA SPISSA HARKNESS 1884, 1773
DIDYMOCENTRUS CABOENSIS STAHNKE 1968, 3508
DIDYMOSPHAERIA CIRCINANS HARKNESS 1884, 1773
DIEROGEKKO BAUER & JACKMAN & SADLIER & WHITAKER 2006, 316
DIEROGEKKO INEXPECTATUS BAUER & JACKMAN & SADLIER & WHITAKER 2006, 316
DIEROGEKKO INSULARIS BAUER & JACKMAN & SADLIER & WHITAKER 2006, 316
DIEROGEKKO KAALAENSIS BAUER & JACKMAN & SADLIER & WHITAKER 2006, 316
DIEROGEKKO KONIAMBO BAUER & JACKMAN & SADLIER & WHITAKER 2006, 316
DIEROGEKKO NEHOUEENSIS BAUER & JACKMAN & SADLIER & WHITAKER 2006, 316
DIEROGEKKO POUMENSIS BAUER & JACKMAN & SADLIER & WHITAKER 2006, 316
DIEROGEKKO THOMASWHITEI BAUER & JACKMAN & SADLIER & WHITAKER 2006, 316
DIGITARIA ARENICOLA (SWALLEN) BEETLE 1951 [COMB. NOV.], 333
DIGUETIA DIALECTICA CHAMBERLIN 1924, 717
DIGUETIA STRIDULANS CHAMBERLIN 1924, 717
DILSEA PYGMAEA SETCHELL 1901, 3383
DIMEREGRAMMA SCUTULUM HANNA 1932, 1737
DIMORPHOPHYTON WILLIAMS 2000, 3951
DIMORPHOTHECA, 2187
DIOCTRIA VERTEBRATA COLE 1919, 788
DIOSPYROS TEXANA VAR. CALIFORNICA BRANDEGEE 1901, 568
DIPERA:TIPULIDAE, 1759
DIPLACUS ARACHNOIDEUS GREENE 1885, 1636
DIPLACUS STELLATUS KELLOGG 1859, 2466
DIPLOCARDIA KOEBELI EISEN 1900, 1343
DIPLOCYSTIUM, 278
DIPLODONTA BUWALDANA ANDERSON & MARTIN 1914, 53
DIPLODONTA HARTFORDI ANDERSON 1905, 45
DIPLODONTA SUBQUADRATA BALTRANA HERTLEIN 1972, 1871
DIPLODONTA WOODRINGI ANDERSON 1929, 50
DIPLONYCHOTHRIPS ANTENNAUS MOULTON 1968, 2963
DIPLONYCHOTHRIPS MOULTON 1968, 2963
DIPLOPODA:SPHAEROTHERIIDAE, 3880
DIPLOTAXIS PUNCTULATA HORN 1894, 1935
DIPODOMYS MERRIAMI MELANURUS MERRIAM 1893, 2898
DIPODOMYS MERRIAMI OLIVACEUS SWARTH 1929, 3619
DIPOENA PICTIPES BANKS 1904, 260
DIPSOSAURUS DORSALIS LUCASENSIS VAN DENBURGH 1920, 3775
DIPTERA, 23, 98, 111, 117, 391, 785, 786, 787, 788, 789, 870, 912, 913, 914, 1443, 1759, 2248, 2291, 2292, 2603,

2607, 2737, 2814, 2815, 2829, 2830, 3116, 3117, 3290, 3313, 3382, 3570, 3666, 3670, 3674, 3808, 3810, 3811, 3812, 3813, 3929, 3932, 3991, 3992, 4045
DIPTERA:ACALYPTRATAE, 3570
DIPTERA:ACANTHOMERIDAE, 3674
DIPTERA:ACROCERIDAE, 3674
DIPTERA:AGROMYZIDAE, 789, 913, 914
DIPTERA;ANTHOMYIDAE, 17, 789
DIPTERA:ANTHOMYIIDAE, 1759, 2248
DIPTERA:APIOCERIDAE, 3674
DIPTERA:ASILIDAE, 789, 914, 1443, 2829, 2830, 2831, 3674, 3929, 3930
DIPTERA:BIBIONIDAE, 789, 3674
DIPTERA:BLEPHAROCERIDAE, 789, 2594
DIPTERA:BOMBYLIIDAE, 789, 913
DIPTERA:BORBORIDAE, 789, 913, 914, 1759
DIPTERA:CALLIPHORIDAE, 2292
DIPTERA:CALOBATIDAE, 914
DIPTERA:CALYPTRATAE, 4045
DIPTERA:CANACEIDAE, 3991, 3992
DIPTERA:CECIDOMYIIDAE, 789
DIPTERA:CERATOPOGONIDAE, 789, 913, 3992
DIPTERA:CESTRIDAE, 789
DIPTERA:CHIRONOMIDAE, 789, 913, 1759
DIPTERA:CHLOROPIDAE, 913
DIPTERA:CHRIONOMIDAE, 3992
DIPTERA:CLUSIODIDAE, 789
DIPTERA:CONOPIDAE, 789, 874, 3812
DIPTERA:CUCILIDAE, 14
DIPTERA:CULICIDAE, 789, 913
DIPTERA:CULICOMORPHA, 118
DIPTERA:CYRTIDAE, 789
DIPTERA:DEXIIDAE, 789
DIPTERA:DIXIDAE, 789
DIPTERA:DOLICHOPIDAE, 913, 1759
DIPTERA:DOLICHOPODIDAE, 789, 3286, 3477, 3809
DIPTERA:DROSOPHILIDAE, 789, 913, 914
DIPTERA:EMPIDAE, 913, 914, 1759
DIPTERA:EMPIDIDAE, 789, 2606, 3290
DIPTERA:EMPIDOIDEA, 3409
DIPTERA:EPHYDRIDAE, 789, 914, 1759, 3992
DIPTERA:EPHYDRIDE, 913
DIPTERA:GEOMYZIDAE, 789
DIPTERA:HELOMYZIDAE, 789
DIPTERA:HELOMZIDAE, 1759
DIPTERA:HIPPOBOSCIDAE, 789
DIPTERA:LAUXANIIDAE, 914
DIPTERA:LONCHAEIDAE, 789
DIPTERA:LONCHOPTERIDAE, 789
DIPTERA:MEDETERUS, 3808
DIPTERA:METOPIIDAE, 913, 914
DIPTERA:MICROPEZIDAE, 789
DIPTERA:MILICHIIDAE, 789
DIPTERA:MUSCIDAE, 789, 872, 873, 874, 875, 913, 914, 1759, 2248, 3674
DIPTERA:MYCETOPHILIDAE, 789, 1759, 3813
DIPTERA:MYDAIDAE, 789
DIPTERA: NEMESTRINIDAE, 789
DIPTERA:OCHTHIPHILIDAE, 789
DIPTERA:OESTRIDAE, 3674
DIPTERA:ORTALIDAE, 789
DIPTERA:OSCINIDAE, 789, 3674
DIPTERA:PHORIDAE, 789, 913
DIPTERA:PHYCODROMIDAE, 789, 1759
DIPTERA:PHYLLOMIZIDAE, 914
DIPTERA:PIOPHILIDAE, 789, 1759
DIPTERA:PIPUNCULIDAE, 789, 913, 914
DIPTERA:PLATYPEZIDAE, 789, 2603, 2604, 2607
DIPTERA:PSILIDAE, 789, 914
DIPTERA: PSYCHODIDAE, 789, 3674
DIPTERA:PTYCHOPTERIDAE, 789
DIPTERA:RHAGIONIDAE, 789
DIPTERA: RHYPHIDAE, 789
DIPTERA:SAPROMYZIDAE, 789
DIPTERA:SARCOPHAGIDAE, 789
DIPTERA: SCATOPHAGIDAE, 789, 1759
DIPTERA:SCATOPSIDAE, 789
DIPTERA:SCENOPINIDAE, 789, 2599
DIPTERA:SCIARIDAE, 913
DIPTERA:SCIOMYZIDAE, 789, 1759
DIPTERA:SEPSIDAE, 789, 914
DIPTERA:SIMULIIDAE, 789, 3674
DIPTERA:STRATIOMYIDAE, 789, 913, 2291, 3674
DIPTERA:SYRPHIDAE, 912, 913, 1759, 2780, 3674
DIPTERA:TABANIDAE, 54, 99, 100, 133, 391, 660, 752, 784, 789, 871, 870, 913, 1416, 1587, 1593, 2653, 2654, 2669, 2794, 3017, 3091, 3116, 3131, 3640, 3641, 3674, 3871, 3935, 4046
DIPTERA:TACHINIDAE, 102, 104, 108, 109, 789, 913, 914, 1759, 3674, 3713, 3932, 3982
DIPTERA: THAUMALEIDAE, 118, 489, 1557
DIPTERA:TIPULIDAE, 21, 22, 103, 119, 666, 667, 789, 913, 914
DIPTERA:TRYPANEIDAE, 913
DIPTERA:TRYPETIDAE, 789, 1759
DIPTERA:XYLOPHAGIDAE, 789
DIRADIUS DIVERSILOBUS ROSS 1984, 3304
DIRADIUS PALLIDUS ROSS 1984, 3304
DISCOBIS LAQUEI CHURCH 1952, 749
DISCORBIS HANNAE CHURCH 1968, 750
DISCOTHYREA BERLITA FISHER 2005, 1441
DISEASES, 3131
DISTEIRA CINCINNATII VAN DENBURGH & THOMPSON 1908, 3793
DISTRIBUTION MAPS, 268, 660, 720, 976, 982, 1093, 1416, 1593, 3079, 3342, 3481
DISTRICT OF COLUMBIA, 711
DITAPHRUS CASEY 1886, 710
DITAPHRUS SEYMNOIDES CASEY 1886, 710
DIVARICELLA LUCASANA DALL & OCHSNER 1928, 954
DIXONIUS BAUER & GOOD & BRANCH 1997, 315

DOCOPHORUS ACUTIPECTUS KELLOGG 1896, 2591
DOCOPHORUS ALIENUS KELLOGG 1896, 2592
DOCOPHORUS ATRICOLOR KELLOGG 1896, 2591
DOCOPHORUS CALIFORNIENSIS KELLOGG 1896, 2592
DOCOPHORUS DISTINCTUS KELLOGG 1896, 2592
DOCOPHORUS DOMESTICUS KELLOGG 1896, 2592
DOCOPHORUS EVAGANS KELLOG 1896, 2592
DOCOPHORUS FULIGINOSUS KELLOGG 1896, 2591
DOCOPHORUS GRAVICEPS KELLOGG 1896, 2591
DOCOPHORUS INCISUS KELLOGG 1896, 2592
DOCOPHORUS INSOLITUS KELLOGG 1896, 2591
DOCOPHORUS JUNGENS KELLOGG 1896, 2592
DOCOPHORUS KANSENSIS KELLOGG 1896, 2591
DOCOPHORUS MIRINOTATUS KELLOGG & CHAPMAN 1899, 2595
DOCOPHORUS MIRUS KELLOGG & CHAPMAN 1899, 2595
DOCOPHORUS MONTEREYI KELLOGG 1896, 2591
DOCOPHORUS OCCIDENTALIS KELLOGG 1896, 2591
DOCOPHORUS PANAMENSIS KELLOGG 1899, 2593
DOCOPHORUS PROCAX KELLOGG & CHAPMAN 1899, 2595
DOCOPHORUS QUADRATICEPS KELLOGG 1896, 2591
DOCOPHORUS RUFUS KELLOGG 1899, 2593
DOCOPHORUS RUTTERI KELLOGG 1899, 2593
DOCOPHORUS SINGULARIS KELLOGG & CHAPMAN 1899, 2595
DOCOPHORUS TAUROCEPHALUS KELLOGG 1896, 2592
DOCOPHORUS TRANSPOSITUS KELLOGG 1896, 2592
DOCOPHORUS VALIDUS KELLOGG & CHAPMAN 1899, 2595
DOCOSIA DEFECTA VAN DUZEE 1928, 3813
DOCOSIA DIALATA VAN DUZEE 1928, 3813
DODECATHEON GLANDULOSUM EASTWOOD 1937, 1199
DODECATHEON JEFFREY VAR. ODORATUM EASTWOOD 1937, 1199
DODECATHEON PULCHELLUM SUBSP. WATSONII (TIDESTROM) THOMPSON [COMB. NOV.], 3651
DODECATHEON SPILANTHERUM EASTWOOD 1944, 1251
DODECATHEON SUBALPINUM EASTWOOD 1937, 1199
DODECATHEON ZIONENSE EASTWOOD 1937, 1199
DODONAEA VISCOSA GALAPAGENSIS PORTER 1970, 3138
DOHRNIPHORA CROCKERI VAN DUZEE 1933, 3814
DOHRNIPHORA WILLOWSI VAN DUZEE 1933, 3814
DOLICHAMPHILIUS LONGICEPS ROBERTS 2003, 3281
DOLICHOCYSTA OBSCURA VAN DUZEE 1923, 3802
DOLICHODERUS GRANULATUS PERGANDE 1895, 3114
DOLICHOPODIDAE, 3814
DOLIOPINES CUCUJINUS HORN 1894, 1935
DOLIOPINES HORN 1894, 1935
DOLONEMBIA ROSS 2001, 3308
DOLONEMBIA TAPIRAPE ROSS 2001, 3308
DOMINICAN REPUBLIC, 1471
DONAX TRIANGULATA ANDERSON & MARTIN 1914, 53
DOPATRIUM, 2960
DORAS SPINOSISSIMUS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
DORAS URANOSCOPUS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
DORIOPSILLA, 3738, 3742
DORIOPSILLA ESPINOSAI VALDÉS & ORTEA 1998, 3742
DORIOSILLA SPALDINGI VALDÉS & BEHRENS 1998, 3738
DORIS ALBOPUNCTATUS COOPER 1863, 821
DORIS (ASTERONOTUS?) ALABASTRINA COOPER 1863, 818
DORIS (ASTERONOTUS?) SANDIEGENSIS COOPER 1863, 818
DORIS (ASTERONOTUS) SANGUINEA COOPER 1863, 818
DORIS MONTEREYENSIS COOPER 1863, 818
DORYMYRMEX PYRAMICUS VAR. NIGRA PERGANDE 1895, 3114
DORYRHAMPHUS PAULUS FRITZSCHE 1980, 1480
DOSINIA MILTHOIDEA WARING 1917, 3858
DOTO VARIANS MACFARLAND 1966, 2789
DOUGLAS (DAVID), 1089, 1996, 1999, 2002, 2005, 2009, 2012, 2015, 2043
DOWNINGIA, 1915, 1992
DOWNINGIA BELLA HOOVER 1937, 1914
DOWNINGIA BICORNUTA VAR. PICTA HOOVER 1937, 1914
DOWNINGIA CONCOLOR GREENE 1886, 1641
DOWNINGIA MIRABILIS HOWELL 1936, 1984
DOWNINGIA MIRABILIS VAR. EXIMIA HOOVER 1937, 1914
DOWNINGIA PALLIDA HOOVER 1937, 1914
DRABA SONORAE GREENE 1886, 1639, 1640
DRACISCUS JORDAN & SNYDER 1900, 2341
DRACISCUS SACHI JORDAN & SNYDER 1900, 2341
DRACOCEPHALUM, 2847
DRACONARIUS ABSENTIS WANG 2003, 3857
DRACONARIUS AGRESTIS WANG 2003, 3857
DRACONARIUS BAXIANTAIENSIS WANG 2003, 3857
DRACONARIUS CAPITULATUS WANG 2003, 3857
DRACONARIUS CURIOSUS WANG 2003, 3857
DRACONARIUS DISGREGUS WANG 2003, 3857
DRACONARIUS DISSITUS WANG 2003, 3857
DRACONARIUS DUBIUS WANG 2003, 3857
DRACONARIUS EPISOMOS WANG 2003, 3857

DRACONARIUS GRISWOLDI WANG 2003, 3857
DRACONARIUS HAOPINGENSIS WANG 1003, 3857
DRACONARIUS INCERTUS WANG 2003, 3857
DRACONARIUS LINXIAENSIS WANG 2003, 3857
DRACONARIUS NUDULUS WANG 2003, 3857
DRACONARIUS PARABRUNNEUS WANG 2003, 3857
DRACONARIUS PARATEREBRATUS WANG 2003, 3857
DRACONARIUS PATELLABIFIDUS WANG 2003, 3857
DRACONARIUS PSEUDOBRUNNEUS WANG 2003, 3857
DRACONARIUS PSEUDOCAPITULATUS WANG 2003, 3857
DRACONARIUS PSEUDOWUERMLII WANG 2003, 3857
DRACONARIUS SIMPLICIDENS WANG 2003, 3857
DRACONARIUS TIBETENSIS WANG 2003, 3857
DRACONARIUS YICHENGENSIS WANG 2003, 3857
DRACONAROIUS ROTUNDUS WANG 2003, 3857
DRAPETIS ARNAUDI ROGERS 1989, 3290
DRAPETIS CERINA ROGERS 1989, 3290
DRAPETIS CONFUSA CURRAN 1936, 914
DRAPETIS CROCKERI CURRAN 1936, 914
DRAPETIS DESTITUTA ROGERS 1989, 3290
DRAPETIS SOLARIS ROGERS 1989, 3290
DRAPETIS TORULOSA ROGERS 1989, 3290
DRASSINELLA BANKS 1904, 260
DRASSINELLA MODESTA BANKS 1904, 260
DRASSODES CALIFORNICA BANKS 1904, 260
DRASSODES PERDITUS BANKS 1898, 259
DRASSUS ORIZABA BANKS 1898, 259
DRASSUS SINGULARIS BANKS 1898, 259
DRASSYLLUS COVENSIS EXLINE 1962, 1406
DRASSYLLUS EMPIRICUS CHAMBERLIN 1924, 717
DRASSYLLUS RATIONALIS CHAMBERLIN 1924, 717
DRILIA MERRIAMI ARNOLD 1903, 126
DRILLIA ANTISELLI ANDERSON & MARTIN 1914, 53
DRILLIA BULWALDANA ANDERSON & MARTIN 1914, 53
DRILLIA COLUMBIANA ANDERSON & MARTIN 1914, 53
DRILLIA JOHNSONI ARNOLD 1903, 126
DRILLIA OCHSNERI ANDERSON & MARTIN 1914, 53
DRILLIA OCOYANA ANDERSON & MARTIN 1914, 53
DRILLIA ORNATA DICKERSON 1915, 1057
DRILLIA RENAUDI ARNOLD 1903, 126
DRILLIA TEMBLORENSIS ANDERSON & MARTIN 1914, 53
DRILLIA WILSONI ANDERSON & MARTIN 1914, 53
DROMICUS HOODENSIS VAN DENBURGH 1912, 3763
DROMICUS OCCIDENTALIS VAN DENBURGH 1912, 3763
DROMICUS SLEVINI VAN DENBURGH 1912, 3763
DROMICUS STEINDACHNERI VAN DENBURGH 1912, 3763
DROSOPHILA ANUDA CURRAN 1936, 914
DROSOPHILA CROCKERI CURRAN 1936, 914
DROSOPHILA MITIS CURRAN 1936, 914
DROSOPHILA WILLOWSI CURRAN 1936, 914
DRYMARIA CARINATA BRANDEGEE 1891, 545
DRYMARIA CARINATA BRAND. VAR. PERENNIS WIGGINS 1944, 3924
DRYMARIA DEBILIS BRANDEGEE 1889, 524
DRYMARIA JOHNSTONII WIGGINS 1944, 3924
DRYMARIA MONTICOLA HOWELL 1935, 1981
DRYMARIA MULTIFLORA BRANDEGEE 1908, 575
DRYMARIA POLYSTACHYA BRANDEGEE 1891, 545
DRYMARIA ROTUNDIFOLIA VAR. MATTFELDIANA HOWELL 1966, 2230
DRYOCAMPA RIVERSII BEHR 1889, 355
DRYOMYZA HANNAI COLE 1921, 1759
DRYOPTERIS FUTURA SMITH 1975, 3453
DRYOPTERIS MUNCHII SMITH 1975, 3453
DUDLEYA BETTINAE HOOVER 1965, 1930
DUDLEYA MURINA EASTWOOD 1931, 1146
DUDLEYA SEMITERES (ROSE) MORAN 1950 [COMB. NOV.], 2949
DUNCKEROCAMPUS BALDWINI HERALD & RANDALL 1972, 1838
DUOPALATINUS C.H.EIGENMANN & R.S. EIGENMANN 1888, 1315
DURIOPSILLA RETARIUS FENNAH 1956, 1423
DYNAMENE SCULPTA HOLMES 1904, 1909
DYSCHIRIUS UNIPUNCTATUS HALL 1901, 1718
DYSCHORISTE CANDIDA BRANDEGEE 1908, 576
DYSCHORISTE MCVAUGHII DANIEL 1990, 959
DYSODIA LITTORALIS BRANDEGEE 1901, 568
DYSPHAGA DEBILIS HORN 1895, 1936
DYSPHENGES ELONGATUS HORN 1894, 1935
DYSPHENGES HORN 1894, 1935
DYTHEMIS RUSSATA HAGEN IN CALVERT 1895, 674
DZIEDZICKIA IMMACULATA COLE 1919, 788
DZIEDZICKIA OREGONA COLE 1919, 788
EARTHQUAKES, 412, 764, 2698, 3679, 3682, 3683, 3686, 3687, 3688, 3689, 3690, 3691, 3692, 3697, 3700, 3701, 3704, 3987, 3988
EASTER ISLAND, 1510, 1655, 2642
EASTERN PACIFIC, 58, 1040, 1615
EASTWOOD (ALICE), 928, 2148, 2792, 2790
EASTWOODIA BRANDEGEE 1894, 560
EASTWOODIA ELEGANS BRANDEGEE 1894, 560
EBURIA CONSPERSA HORN 1894, 1935
ECHEVERIA, 3856
ECHINARACHNIUS BREWERIANUS RÉMOND 1863, 3227
ECHINISCUS CAVAGNAROI SCHUSTER & GRIGARICK 1966, 3373
ECHINISCUS KOFORDI SCHUSTER & GRIGARICK 1966, 3373
ECHINOCACTUS DIGUETI BRANDEGEE 1900, 518
ECHINOCACTUS MESAE-VERDAE (BOISSENVAIN)

BENSON 1951 [COMB. NOV.], 390
ECHINOCEREUS BOYCE-THOMPOSONI VAR. BONKERAE (THORNBER & BONKER) PEEBLES 1949 [COMB. NOV.], 3098
ECHINOCEREUS SALM-DYCKIANUS VAR. NOCTIFLORUS HEID 1944, 1812
ECHINOCYSTIS INTERMIS CONGDON 1901, 807
ECHINOCYSTIS MACROCARPA GREENE 1885, 1636
ECHINOCYSTIS MURICATUS KELLOGG 1855, 2433, 2544
ECHINODERMATA, 163, 210, 2900, 3512, 4044
ECHINOIDEA, 25
ECHINOIDS, 2262, 2900
ECHINOMACRURUS OCCIDENTALIS IWAMOTO 1979, 2266
ECHINOSPERUUM NERVOSUM KELLOGG 1862, 2496
ECHOCERUS ANGELICUS BLAISDELL 1923, 405
ECHOCERUS BREVICEPS BLAISDELL 1943, 410
ECLIMUS CELER COLE 1919, 788
ECOLOGY, 356, 357, 467, 549, 661, 746, 754, 1082, 1439, 1440, 1562, 1569, 1570, 1584, 1587, 1624, 1643, 1720, 1796, 2294, 2624, 2653, 2779, 2940, 2981, 2992, 2993, 3009, 3012, 3013, 3032, 3053, 3108, 3129, 3149, 3150, 3155, 3204, 3214, 3565, 3571, 3576, 3588, 3640, 3851, 3943, 3967
ECONOMIC BOTANY, 434, 438, 439, 3532
ECTATOMMA (GNAMPTOGENYS) RIMULOSUM VAR. SPLENDIDUM PERGANDE 1895, 3114
ECTOCARPUS ACUMINATUS SAUNDERS 1898, 3357
ECTOCARPUS BRYANTII SETCHELL & GARDNER 1924, 3387
ECTOCARPUS CHITONICOLUS SAUNDERS 1898, 3357
ECTOCARPUS CONFERVOIDES FORMA VARIABILIS SAUNDERS 1898, 3357
ECTOCARPUS CORTICULATUS SAUNDERS 1898, 3357
ECTOCARPUS CYLINDRICUS SAUNDERS 1898, 3357
ECTOCARPUS ELLIPTICUS SAUNDERS 1898, 3357
ECTOCARPUS GONODIOIDES SETCHELL & GARDNER 1924, 3387
ECTOCARPUS GRANULOSOIDES PYGMAEUS SETCHELL & GARDNER 1937, 3389
ECTOCARPUS HEMISPHERICUS FORMA MINOR SAUNDERS 1898, 3357
ECTOCARPUS HEMISPHERICUS SAUNDERS 1898, 3357
ECTOCARPUS MUCRONATUS SAUNDERS 1898, 3357
ECTOCARPUS PARADOXUS VAR. PACIFICUS SAUNDERS 1898, 3357
ECTOCARPUS SILICULOSUS VAR. PARVUS SAUNDERS 1898, 3357
ECTYPHOCERCA AUREATA ROSS 2003, 3310
ECTYPHOCERCA ROSS 2003, 3310
ECUADOR, 132, 578, 695, 706, 742, 816, 911, 926, 1104, 1424, 1471, 1792, 1804, 1870, 1871, 2233, 2292, 2377, 2725, 2741, 2873, 3104, 3128, 3303, 3309, 3319, 3373, 3434, 3446, 3570, 3992, 4040
ECYRUS PACIFICUS LINSLEY 1942, 2736
EDITORIAL, 2935
EDROTES ASPERATUS BLAISDELL 1923, 405
EDROTES DESERTUS BLAISDELL 1943, 410
EDROTES MEXICANUS BLAISDELL 1923, 405
EDUCATION, 387
EDWARDS (HENRY), 74
EFFERIA ANTIOCHI WILCOX 1966, 3929
EFFERIA APACHE WILCOX 1966, 3929
EFFERIA AZTECI WILCOX 1966, 3929
EFFERIA BASINGERI WILCOX 1966, 3929
EFFERIA BASINI WILCOX 1966, 3929
EFFERIA BEAMERI WILCOX 1966, 3929
EFFERIA BRYANTI WILCOX 1966, 3929
EFFERIA CABEZA WILCOX 1966, 3929
EFFERIA CALIENTE WILCOX 1966, 3929
EFFERIA COULEI WILCOX 1966, 3929
EFFERIA DAVISI WILCOX 1966, 3929
EFFERIA DESERTI WILCOX 1966, 3929
EFFERIA DUNCANI WILCOX 1966, 3929
EFFERIA EHRENBERGI WILCOX 1966, 3929
EFFERIA FREWINGI WILCOX 1966, 3929
EFFERIA GILA WILCOX 1966, 3929
EFFERIA HALLI WILCOX 1966, 3929
EFFERIA KELLOGGI WILCOX 1966, 3929
EFFERIA LUNA WILCOX 1966, 3929
EFFERIA MORTENSONI WILCOX 1966, 3929
EFFERIA NEOINFLATA WILCOX 1966, 3929
EFFERIA ORDWAYAE WILCOX 1966, 3929
EFFERIA PARKERI WILCOX 1966, 3929
EFFERIA PERALTA WILCOX 1966, 3929
EFFERIA SETIGERA WILCOX 1966, 3929
EFFERIA TOLANDI WILCOX 1966, 3929
EFFERIA TUCSONI WILCOX 1966, 3929
EFFERIA YERMO WILCOX 1966, 3929
EFFERIA YUMA WILCOX 1966, 3929
EGLETES CALIFORNICUS KELLOGG 1855, 2432, 2543
EGYPT, 702, 799
EHRHARTA, 2172
EISENIA DESMARESTIOIDES SETCHELL & GARDNER 1930, 3388
EISENIA MASONII SETCHELL & GARDNER 1930, 3388
ELAPHOGLOSSUM ALBOMARGINATUM SMITH 1975, 3453
ELAPHOGLOSSUM CHIAPENSE SMITH 1975, 3453
ELAPHRIA ENCANTADA HAYES 1975, 1804
ELASMOCERUS CALIFORNICUS HALL 1901, 1718
ELATAE WALTHER 1959 [SER. NOV.], 3856
ELATER BIMACULATUS VAN DYKE 1932, 3816
ELATER BREVIS VAN DYKE 1932, 3816
ELATER BRUNNEICOLOR VAN DYKE 1932, 3816

ELATER FENYESI VAN DYKE 1932, 3816
ELATER URSINUS VAN DYKE 1932, 3816
ELATER VARIPILIS VAN DYKE 1932, 3816
ELATHOUS CALIFORNICUS VAN DYKE 1932, 3816
ELEATES CASEY 1886, 710
ELEATES OCCIDENTALIS CASEY 1886, 710
ELEOCHARIS, 3330
ELEODES ADUMBRATA BLAISDELL 1925, 408
ELEODES COLORADENSIS BLAISDELL 1925, 409
ELEODES DENTIPES MONTANA BLAISDELL 1925, 409
ELEODES DENTIPES TULARENSIS BLAISDELL 1925, 409
ELEODES DISCINCTA BLAISDELL 1925, 408
ELEODES FUSCIPILOSA BLAISDELL 1925, 409
ELEODES INEPTA BLAISDELL 1925, 408
ELEODES INFLATA BLAISDELL 1923, 405
ELEODES LORETENSIS BLAISDELL 1923, 405
ELEODES MANNI DILATICOLLIS BLAISDELL 1925, 409
ELEODES MARTHAE BLAISDELL 1943, 410
ELEODES MAZATZALENSIS BLAISDELL 1925, 409
ELEODES MEXICANA BLAISDELL 1943, 410
ELEODES MORBOSA BLAISDELL 1925, 408
ELEODES NIGRINA DIFFORMIS BLAISDELL 1925, 409
ELEODES OBSCURA GLABRIUSCULA BLAISDELL 1925, 409
ELEODES PARAWANA BLAISDELL 1925, 409
ELEODES PARAWANA MIMICA BLAISDELL 1925, 409
ELEODES PARVICOLLIS ALTICOLA BLAISDELL 1925, 409
ELEODES QUADRCOLLIS LASSENICA BLAISDELL 1925, 409
ELEODES REDUCTA BLAISDELL 1925, 409
ELEODES ROSSI BLAISDELL 1943, 410
ELEODES SIMONDSI BLAISDELL 1943, 410
ELEODES SPECULICOLLIS BLAISDELL 1925, 409
ELEODES VANDUZEEO BLAISDELL 1923, 405
ELEODES WENZELI BLAISDELL 1925, 409
ELEOTRIS ABACURUS JORDAN & GILBERT 1896, 2334
ELEUTHEROBIA VINADIGITARIA WILLIAMS & LITTLE 2001, 3964
ELEUTHEROBIA ZANAHORIA WILLIAMS 2000, 3952
ELEVATION, 3898, 3922, 3985
ELIX DURANTI NEWCOMB 1864, 3002
EL SALVADOR, 1471
ELVIRA ATRIPLICIFORMIS HOWELL 1935, 1981
ELYMUS LAEVIS (SCRIBN. & SM.) HOOVER 1966 [COMB. NOV.], 1934
ELYMUS SAUNDERSII VAR. CALIFORNICUS HOOVER 1943, 1920
ELYMUS SUBSECUNDUS (LINK) HOOVER 1966 [COMB. NOV.], 1934
ELYSIA BEDECKTA MACFARLAND 1966, 2789
ELYTRARIA, 3879
EMARGINULA BELLA GABB 1865, 1492
EMBIIDINA, 1594, 3303, 3304, 3306, 3307, 3308, 3309, 3311, 3312
EMBIIDINA:ANISEMBIIDAE, 3310
EMBIIDINA:CLOTHODIDAE, 3305
EMBIOPTERA, 2737, 3302, 3303
EMMENANTHE FOLIOSD JONES 1893, 2323
EMMENASTRICHUS CRIBRATUS HORN 1894, 1935
EMMENASTRICHUS EROSUS HORN 1894, 1935
EMMENASTRICHUS HORN 1894, 1935
EMMENIDES APICALIS BLAISDELL 1923, 405
EMMENIDES CATALINAE BLAISDELL 1923, 405
EMMENIDES OBSOLETUS BLAISDELL 1923, 405
EMMENIDES SUBDESCALCEATUS BLAISDELL 1923, 405
EMMYDRICHTHYS VULCANUS SCOTFIELD 1896, 2334, 2335
EMOIA BRONGERSMAI BROWN 1991, 607
EMOIA CAMPBELLI BROWN & GIBBONS 1986, 618
EMOIA COGGERI BROWN 1991, 607
EMOIA CYCLOPS BROWN 1991, 607
EMOIA DIGUL BROWN 1991, 607
EMOIA ERRONAN BROWN 1991, 607
EMOIA IRIANENSIS BROWN 1991, 607
EMOIA ISOLATA BROWN 1991, 607
EMOIA JUMAR BROWN 1991, 607
EMOIA MONTANA BROWN 1991, 607
EMOIA PANIAI BROWN 1991, 607
EMOIA PSEUDOCYANURA BROWN 1991, 607
EMOIA PSEUDOPALLIDICEPS BROWN 1991, 607
EMOIA RENNELLENSIS BROWN 1991, 607
EMOIA TROSSULA BROWN & GIBBONS 1986, 618
EMPOASCA RUFICEPS VAN DUZEE 1917, 3795
EMPOASCA SUBLACTAE VAN DUZEE 1917, 3795
EMPOASCA TRANSVERSA VAN DUZEE 1917, 3795
ENALLAGMA EISENI CALVERT 1895, 674
ENCELIA, 443
ENCELIA GRANDIFLORA JONES 1895, 2326
ENCELIA MACULATA BRANDEGEE 1908, 577
ENCELIA NUTANS EASTWOOD 1891, 1111
ENCELIA RADIANS BRANDEGEE 1889, 524
ENCELIA RAVENII WIGGINS 1965, 3926
ENCELIA RESINOSA BRANDEGEE 1908, 575
ENCELIA VENTORUM BRANDEGEE 1889, 524
ENDOGONE LANATA HARKNESS 1899, 1789
ENDOGONE MALLEOLA HARKNESS 1899, 1789
ENGINA ALTERNATA GARRITT 1872, 1508
ENGINA BELLA GARRITT 1872, 1508
ENGINA GIBBOSA GARRITT 1872, 1508
ENGINEERING, 1793
ENGYCYSTIS FOX 1895, 1466
ENIGMINA WARRENORUM UBICK & BRIGGS 2008, 3727
ENLINIA CALIFORNICA ROBINSON & ARNAUD

1979, 3286
ENLINIA TAENIOCAUDATA ROBINSON & ARNAUD 1979, 3286
ENOCHRUS ROSSI LEECH 1948, 2679
ENTEROMORPHA MARCHANTAE SETCHELL & GARDNER 1924, 3387
ENTOCLADIA CONDENSATA SETCHELL & GARDNER 1924, 3387
ENTOCLADIA MEXICANA SETCHELL & GARDNER 1924, 3387
ENTOCLADIA POLYSIPHONIAE SETCHELL & GARDNER 1924, 3387
ENTOGONIA COMPLEXA HANNA & BRIGGER 1964, 1744
ENTOGONIA VERSUTA HANNA & BRIGGER 1964, 1744
ENTOMOBRYA ATROCINCTA SCHÖTT 1896, 3370
ENTOMOBRYA BINOCULATA SCHÖTT 1896, 3370
ENTOMOBRYA CAECA SCHÖTT 1896, 3370
ENTOMOBRYA SEXOCULATA SCHÖTT 1896, 3370
ENTOMOBRYA TRIANGULARIS SCHÖTT 1896, 3370
ENTOMOLOGY, 14, 18, 22, 23, 54, 68, 69, 95, 96, 98, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 129, 132, 133, 229, 258, 259, 260, 261, 262, 307, 309, 336, 339, 340, 341, 342, 343, 344, 345, 347, 350, 351, 355, 359, 360, 362, 365, 372, 391, 405, 406, 407, 408, 409, 410, 473, 489, 495, 579, 592, 595, 621, 622, 660, 666, 667, 674, 675, 676, 696, 697, 705, 706, 708, 709, 710, 711, 714, 715, 717, 718, 719, 738, 739, 752, 774, 775, 776, 777, 778, 779, 780, 784, 785, 786, 787, 788, 789, 790, 871, 870, 872, 873, 874, 875, 912, 913, 914, 923, 926, 1045, 1074, 1075, 1077, 1096, 1097, 1275, 1277, 1278, 1279, 1280, 1281, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1292, 1293, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1355, 1361, 1362, 1363, 1364, 1375, 1405, 1406, 1416, 1417, 1423, 1424, 1434, 1435, 1439, 1441, 1442, 1443, 1456, 1462, 1463, 1464, 1465, 1466, 1471, 1472, 1475, 1550, 1557, 1563, 1587, 1593, 1594, 1630, 1631, 1661, 1671, 1672, 1673, 1674, 1675, 1676, 1707, 1708, 1718, 1759, 1800, 1804, 1806, 1808, 1875, 1876, 1900, 1903, 1935, 1936, 1937, 1938, 1941, 1944, 2248, 2250, 2251, 2291, 2292, 2308, 2309, 2350, 2351, 2352, 2353, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2591, 2592, 2593, 2594, 2595, 2596, 2601, 2603, 2607, 2605, 2606, 2608, 2631, 2643, 2644, 2645, 2652, 2653, 2654, 2659, 2669, 2677, 2679, 2680, 2681, 2682, 2683, 2716, 2720, 2723, 2735, 2736, 2737, 2738, 2739, 2740, 2741, 2761, 2770, 2793, 2794, 2814, 2815, 2827, 2829, 2830, 2831, 2905, 2909, 2910, 2911, 2919, 2920, 2963, 2965, 2998, 3012, 3013, 3017, 3046, 3085, 3091, 3105, 3106, 3107, 3108, 3109, 3110, 3112, 3113, 3114, 3116, 3117, 3118, 3131, 3149, 3156, 3157, 3158, 3159, 3160, 3161, 3162, 3163, 3170, 3224, 3230, 3231, 3232, 3247, 3257, 3258, 3259, 3260, 3262, 3264, 3267, 3271, 3286, 3290, 3301, 3302, 3303, 3304, 3305, 3306, 3309, 3310, 3311, 3312, 3313, 3314, 3343, 3344, 3353, 3354, 3355, 3356, 3359, 3360, 3370, 3373, 3376, 3382, 3406, 3407, 3409, 3477, 3483, 3570, 3593, 3640, 3641, 3656, 3657, 3658, 3659, 3666, 3670, 3671, 3674, 3713, 3722, 3724, 3725, 3726, 3727, 3728, 3733, 3734, 3794, 3795, 3796, 3797, 3798, 3799, 3800, 3801, 3802, 3803, 3804, 3805, 3806, 3807, 3808, 3810, 3811, 3812, 3813, 3814, 3815, 3816, 3817, 3818, 3833, 3835, 3857, 3871, 3888, 3889, 3892, 3893, 3929, 3930, 3932, 3935, 3939, 3945, 3946, 3982, 3991, 3992, 3998, 4010, 4013, 4014, 4021, 4027, 4028, 4045, 4046
ENTYLOMA COLLINSIAE HARKNESS 1884, 1773
ENTYLOMA ESCHSCHOLTZIAE HARKNESS 1884, 1773
ENVIRONMENTAL STUDIES, 1, 1449, 1572, 2623, 2624, 2625, 2907, 2912, 3565, 3576, 3729, 3943
EOCENE, 51, 838, 863, 925, 1059, 1749, 1831, 2817, 2818, 3409, 3699, 3867
EOSEMBIA AEQUICERCATA ROSS 2007, 3312
EOSEMBIA AURIPECTA ROSS 2007, 3312
EOSEMBIA LAOTICA ROSS 2007, 3312
EOSEMBIA MALAYA ROSS 2007, 3312
EOSEMBIA MYANMARA ROSS 2007, 3312
EOSEMBIA NEPALICA ROSS 2007, 3312
EOSEMBIA ROSS 2007, 3312
EOSEMBIA SPATHA ROSS 2007, 3312
EOSEMBIA THORACICA (DAVIS 1940), 3312
EOSEMBIA VARIANS (NAVÁS 1922), 3312
EPACMUS NITIDUS COLE 1921, 789
EPEIRA CAUDATA BANKS 1898, 259
EPEIRA PERPLEXA BANKS 1898, 259
EPEIRA SINGULARIS BANKS 1898, 259
EPEIRA ZILLOIDES BANKS 1898, 259
EPEOLUS ARCIFERUS COCKERELL 1924, 780
EPEOLUS GEMINATUS COCKERELL & SANDHOUSE 1924, 780
EPEOLUS HETERURUS COCKERELL & SANDHOUSE 1924, 780
EPEOLUS MELECTIMIMUS COCKERELL & SANDHOUSE 1924, 780
EPEOLUS PERMIXTUS COCKERELL 1923, 774
EPEOLUS PILATEI COCKERELL 1924, 780
EPEOLUS PISCATORIS COCKERELL 1939, 779
EPEOLUS RUBROSTICTUS COCKERELL & SANDHOUSE 1924, 780
EPEOLUS RUFOMACULATUS COCKERELL & SANDHOUSE 1924, 780
EPHEMEROPTERA, 1275
EPIALTUS MINIMUS LOCKINGTON 1877, 2755
EPIALUS MATHEWI EDWARDS 1874, 1280
EPIALUS MODESTUS EDWARDS 1873, 1277
EPIALUS TACOMAE EDWARDS 1874, 1284
EPIBLEMUM PALPALIS BANKS 1904, 260
EPIDELLA SQUAMULA HEATH 1902, 1805
EPILOBIUM, 3648
EPILOBIUM NIVUM BRANDEGEE 1892, 555

EPIMECHUS AEMULUS HALL 1901, 1718
EPIMECHUS ARENICOLOR HALL 1901, 1718
EPIPACTIS, 2228
EPIPHRAGMOPHORA PETRICOLA OROTES BERRY 1920, 396
EPIPHRAGMOPHORA PETRICOLA SANGABRIELIS BERRY 1920, 396
EPIPHRAGMOPHORA TRASKII CHRYSODERMA BERRY 1920, 396
EPIPHRAGMOPHORA TRASKII WILLETTI BERRY 1920, 396
EPIPHRAGMOPHORA TUDICULATA ALLYNIANA BERRY 1920, 396
EPIPLEMA BECKI HAYES 1975, 1804
EPITONIUM CEDROSENSIS JORDAN & HERTLEIN 1926, 2347
EPITONIUM CONTRERASI JORDAN & HERTLEIN 1926, 2347
EPITONIUM DALLASI JORDAN & HERTLEIN 1926, 2347
EPITONIUM ENNAPLEURA DALL & OCHSNER 1928, 954
EPITONIUM ESPIRITUM BAKER & HANNA & STRONG 1930, 236
EPITONIUM GOLISCHI BAKER & HANNA & STRONG 1930, 236
EPITONIUM IMPLICATUM DALL & OCHSNER 1928, 954
EPITONIUM INNOMINATUM DALL & OCHSNER 1928, 954
EPITONIUM KELSEYI BAKER & HANNA & STRONG 1930, 236
EPITONIUM NESIOTICUM DALL & OCHSNER 1928, 954
EPITONIUM POSOENSIS ANDERSON & MARTIN 1914, 53
EPITONIUM WILLETTI STRONG & HERTLEIN 1937, 3602
EPITONIUM WILLIAMSONI ANDERSON & MARTIN 1914, 53
EPITRIX FLAVOTESTACEA HORN 1894, 1935
EPIXIPHIUM MUNZ 1926, 2967
EPLOPHORUS BICINCTUS PENINSULARIS 1942, 2736
EPOLIGOSITA PALLIDA DOUTT 1968, 1075
EPTATRETUS CARLHUBBSI MCMILLAN & WISNER 1984, 2887
EPTATRETUS LAKESIDE MINCARONE & MCCOSKER 2004, 2934
EPTATRETUS LAURAHUBBSI MCMILLAN & WISNER 1984, 2887
EPTATRETUS STRAHANI MCMILLAN & WISNER 1984, 2887
EQUISETUM HYEMALE VAR. ELATUM (ENGELM.) MORTON 1951 [COMB. NOV.], 2955
ERASTRIA ARVALIS BEHR IN EDWARDS 1875 [SEE ALSO ANNAPHILA], 1288
ERASTRIA LITHOSINA BEHR IN EDWARDS 1875 [SEE ALSO ANNAPHILA], 1288
EREMIAS ARIA ANDERSON & LEVITON 1967, 65
EREMIAS KAVIRENSIS MOZAFFARI & PARHAM 2007, 2964
EREMOCORIS DIMIDIATUS VAN DUZEE 1921, 3798
EREMOCORIS OPACUS VAN DUZEE 1921, 3798
EREMOCORIS SEMICINCTUS VAN DUZEE 1921, 3798
EREMOCRINUM ALBOMARGINATUM JONES 1893, 2322
EREMOCRINUM JONES 1893, 2322
EREMOPEDES SPINOSA HEBARD 1923, 1808
EREUNIAS GRALLATOR JORDAN & SNYDER 1900, 2341
EREUNIAS JORDAN & SNYDER 1900, 2341
ERICHTHONIUS RAPAX STIMPSON 1856, 3572, 3573
ERICROCIS RUGOSA FOX 1893, 1464
ERIDICTYON CAPITATUM EASTWOOD 1933, 1162
ERIDIPHAS LEVITON & TANNER 1960, 2710
ERIDONUM PYROLAEFOLIUM VAR. BELLINGERANUM PECK 1954, 3095
ERIGERON, 1982
ERIGERON ANGUSTATUS GREENE 1885, 1634
ERIGERON BASALTICUS HOOVER 1944, 1922
ERIGERON CAESPITOSUS VAR. LACCOLITICUS JONES 1895, 2326
ERIGERON CAESPITOSUS VAR. NAUSEOSUS JONES 1895, 2326
ERIGERON CINEREUS VAR. ARIDUS JONES 1895, 2326
ERIGERON COMPACTUS VAR. CONSIMILIS (CRONQ.) BLAKE 1950 [COMB. NOV.], 442
ERIGERON CRENATUS EASTWOOD 1931, 2314
ERIGERON DISCOIDEA KELLOGG 1873, 2569
ERIGERON ENGELMANNI SUBSP. DAVISII CRONQUIST 1942, 896
ERIGERON ENGELMANNI SUBSP. TYPICUS CRONQUISH 1942 [NOM. NOV.], 896
ERIGERON KUSCHEI EASTWOOD 1931, 1146
ERIGERON LINEARIS VAR. ELEGANTULUS (GREENE) HOWELL 1936 [COMB. NOV.], 1982
ERIGERON SPARSIFOLIUS EASTWOOD 1896, 1122
ERIGONE CALIFORNICA BANKS 1904, 260
ERIGONE ESCHATOLOGICA CROSBY 1924, 717
ERIICOCCUS ARTEMISIAE KUWANA 1901, 2643
ERIOCHLOA LEMMONI VAR. GRACILIS (FOURN.) GOULD 1950 [COMB. NOV.], 1622
ERIOCOCCUS JAPONICUS KUWANA 1902, 2644
ERIOCOCCUS ONUKII KUWANA 1902, 2644
ERIODICTYON CRASSIFOLIUM GREENE 1885, 1636
ERIODICTYON NIVEUM EASTWOOD 1898, 1125
ERIODICTYON SESSIFLIFOLIUM GREENE 1885, 1636
ERIODICTYON TRASKIAE EASTWOOD 1898, 1125
ERIOGONUM, 2085, 2120, 2132, 2135, 2141, 2153, 2162,

2954, 3234, 3288, 3582, 3585, 3587
ERIOGONUM AFFUSUM VAR. LIMBATUM STOKES 1941, 3585
ERIOGONUM AMPULLACEUM HOWELL 1935, 1977
ERIOGONUM ANNUUM SUBSP. CHIHUAHUAENSE STOKES 1938, 3584
ERIOGONUM APICULATUM VAR. SUBVIRGATUM STOKES 1937, 3582
ERIOGONUM APRICUM HOWELL 1955, 2154
ERIOGONUM ARBORESCENS GREENE 1884, 1633
ERIOGONUM ARCTIOIDES BARNEBY 1949, 288
ERIOGONUM ARGILLOSUM HOWELL 1932, 1950
ERIOGONUM AUREUM JONES 1895, 2326
ERIOGONUM BICOLOR JONES 1893, 2323
ERIOGONUM BREEDLOVEI (HOWELL) REVEAL [STAT. & COMB. NOV.], 3234
ERIOGONUM BREVICAULE SUBSP. CAMPANULATUM (NUTT.) STOKES 1937 [COMB. NOV.], 3582
ERIOGONUM BREVICAULE SUBSP. GRANGERENSE (JONES) STOKES 1937 [COMB. NOV.], 3582
ERIOGONUM BREVICAULE SUBSP. LEPTOTHECUM (STOKES) STOKES 1937 [COMB. NOV.], 3582
ERIOGONUM BREVICAULE SUBSP. ORENDENSE (A. NELS.) STOKES 1937 [COMB. NOV.], 3582
ERIOGONUM BREVICAULE SUBSP. TYPICUM STOKES 1937 [NOM. NOV.], 3582
ERIOGONUM BUTTERWORTHIANUM HOWELL 1961, 2193
ERIOGONUM CAESPITOSUM SUBSP. DOUGLASII VAR. SUBLINEARE STOKES 1938, 3584
ERIOGONUM CERNUUM SUBSP. TENUE VAR. MULTIPEDUNCULATUM STOKES 1937, 3582
ERIOGONUM CERNUUM VAR. UMBRATICUM EASTWOOD 1896, 1122
ERIOGONUM CHRYSOCEPHALUM SUBSP. BANNOCKENSE STOKES 1943, 3586
ERIOGONUM CHRYSOCEPHALUM SUBSP. CUSICKII (JONES) STOKES 1937 [COMB. NOV.], 3582
ERIOGONUM CHRYSOCEPHALUM SUBSP. DESERTORUM MAGUIRE 1941, 2799
ERIOGONUM COVILLEANUM EASTWOOD 1931, 1146
ERIOGONUM CREMICOLA HOWELL & REVEAL 1965, 2234
ERIOGONUM CUPULATUM STOKES 1933, 3581
ERIOGONUM DARROVII KEARNEY 1946, 2366
ERIOGONUM DAVISIANUM STOKES 1943, 3586
ERIOGONUM DOUGLASII VAR. TWISSELMANNII HOWELL 1963, 2201
ERIOGONUM EASTWOODIANUM HOWELL 1938, 2007
ERIOGONUM ESMERALDENSE VAR. TOIYABENSE HOWELL 1952, 2132
ERIOGONUM FRUTICULOSUM STOKES 1933, 3581
ERIOGONUM FULVUM STOKES 1943, 3586
ERIOGONUM GALIOIDES JOHNSTON 1924, 2313
ERIOGONUM GILMANI STOKES 1941, 3585
ERIOGONUM GLANDULOSUM VAR. CARNEUM HOWELL 1956, 2162
ERIOGONUM HEERMANNI VAR. OCCIDENTALE STOKES 1932, 3580
ERIOGONUM HIRTELLUM HOWELL & BACIGALUPI 1961, 2232
ERIOGONUM HOFFMANNI STOKES 1932, 3579
ERIOGONUM HOFFMANNI VAR. ROBUSTIUS STOKES 1941, 3585
ERIOGONUM HOLMGRENII REVEAL 1965, 3233
ERIOGONUM HOWELLII VAR. ARGENSE (JONES) STOKES 1938 [COMB. NOV.], 3584
ERIOGONUM HOWELLII VAR. SUBRACEMOSUM STOKES 1938, 3584
ERIOGONUM IRRETITUM BRANDEGEE 1889, 524
ERIOGONUM JOHNSTONI STOKES 1933, 3581
ERIOGONUM KEARNEYI VAR. MONOENSE (S. STOKES) REVEAL 1966 [STAT. & COMB. NOV.], 3234
ERIOGONUM KENNEDYI VAR. OLANCHENSE HOWELL 1951, 2126
ERIOGONUM LANOSUM EASTWOOD 1931, 1146
ERIOGONUM LONGILOBUM JONES 1895, 2326
ERIOGONUM MENSICOLA STOKES 1941, 3585
ERIOGONUM MODOSUM SUBSP. MONOENSE STOKES 1943, 3586
ERIOGONUM NOVONUDUM PECK 1945, 3092
ERIOGONUM OCHROCEPHALUM VAR. BREEDLOVEI HOWELL 1963, 2201
ERIOGONUM OCHROCEPHALUM VAR. CALCAREUM (STOKES) PECK 1945 [COMB. NOV.], 3092
ERIOGONUM OCHROCEPHALUM VAR. GRACILIPES (WATS.) HOWELL 1963 [COMB. NOV.], 2201
ERIOGONUM OVALIFOLIUM VAR. BELLUM STOKES 1932, 3580
ERIOGONUM PEDUNCULATUM STOKES 1937, 3582
ERIOGONUM PRATENSE STOKES 1943, 3586
ERIOGONUM PULCHRUM EASTWOOD 1931, 1146
ERIOGONUM RACEMOSUM VAR. DESERTORUM STOKES 1941, 3585
ERIOGONUM RAMOSISSIMUM EASTWOOD 1896, 1122
ERIOGONUM RELIQUUM STOKES 1937, 3583
ERIOGONUM RENIFORME VAR. COMOSUM JONES 1895, 2327
ERIOGONUM RIPLEYI HOWELL 1944, 2061
ERIOGONUM RIXFORDII STOKES 1932, 3580
ERIOGONUM ROBUSTUM GREENE 1885, 1634
ERIOGONUM ROSEUM VAR. LEUCOCLADON (BENTH.) HOOVER 1966 [COMB. NOV.], 1934
ERIOGONUM ROTUNDIFOLIUM VAR. ANGUSTIUS GOODMAN 1950, 1580
ERIOGONUM RUBIFLORUM JONES 1893, 2323
ERIOGONUM SAXATILE SUBSP. MULTICAULE

STOKES 1943, 3586
ERIOGONUM SCAPIGERUM EASTWOOD 1902, 1141
ERIOGONUM SPERGULINUM VAR. PRATENSE (STOKES) HOWELL 1950 [COMB. NOV.], 2120
ERIOGONUM SPERGULINUM VAR. REDDINGIANUM (JONES) HOWELL 1950 [COMB. NOV.], 2120
ERIOGONUM SPERGULINUM VAR. TYPICUM HOWELL 1950 [NOM. NOV.], 2120
ERIOGONUM TEMBLORENSE HOWELL 1963, 2236
ERIOGONUM TENUISSIMUM EASTWOOD 1931, 1146
ERIOGONUM TERNATUM VAR. CONGDONII (STOKES) HOWELL 1952 [COMB. NOV.], 2141
ERIOGONUM UMBELLATUM SUBSP. ARIDUM VAR. VERSICOLOR STOKES 1941, 3585
ERIOGONUM UMBELLATUM SUBSP. STELLATUM VAR. SUBARIDUM STOKES 1937, 3583
ERIOGONUM VESTITUM HOWELL 1937, 1993
ERIOGONUM VILLIFLORUM VAR. TUMULOSUM BARNEBY 1949, 288
ERIOGONUM VILLIFLORUM VAR. TYPICUM BARNEBY 1949 [NOM. NOV.], 288
ERIOGONUM VISCIDULUM HOWELL 1942, 2041
ERIOGONUM WETHERILLII EASTWOOD 1896, 1122
ERIOGONUM WRIGHTII SUBSP. DENTATUM (STOKES) STOKES 1937 [COMB. NOV.], 3582
ERIOGONUM WRIGHTII SUBSP. GLOMERULUM (STOKES) STOKES 1937 [COMB. NOV.], 3582
ERIOGONUM WRIGHTII SUBSP. MEMBRANACEUM (STOKES) STOKES 1937 [COMB. NOV.], 3582
ERIOGONUM WRIGHTII SUBSP. PRINGLEI (COULT. & FISH.) STOKES 1937 [COMB. NOV.], 3582
ERIOGONUM WRIGHTII SUBSP. SUBSCAPOSUM (WATS.) STOKES 1937 [COMB. NOV.], 3582
ERIOGONUM WRIGHTII SUBSP. TRACHYGONUM (TORR.) STOKES 1937 [COMB. NOV.], 3582
ERIOGONUM WRIGHTII SUBSP. TYPICUM STOKES 1937 [NOM. NOV.], 3582
ERIOGONUM WRIGHTII VAR. NODOSUM (SMALL) REVEAL 1966 [COMB. NOV.], 3234
ERIOGONUM WRIGHTII VAR. PRINGLEI (COULT. & FISH.) REVEAL 1966 [COMB. NOV.], 3234
ERIOGONUM ZIONIS HOWELL 1940, 2023
ERIOGONUM ZIONIS VAR. COCCINEUM HOWELL 1943, 2053
ERIOGONUM ZIONIS VAR. TYPICUM HOWELL 1943 [NOM. NOV.], 2053
ERIOPHORUM CRINIGER (GRAY) BEETLE [COMB. NOV.], 327
ERIOPHYLLUM LANATUM VAR. APHANACTIS HOWELL IN EASTWOOD 1942, 1235
ERIOPHYLLUM RIXFORDI EASTWOOD 1931, 1146
ERISCION JORDAN & EVERMANN 1927, 2348
ERITRICHIUM CONNATIFOLIUM KELLOGG 1862, 2502
ERMOLEON AFFINE BANKS 1942, 262
ERODIUM OBTUSIPLICATUM (MAIRE & WEILLER & WILCZEK) HOWELL 1947 [STAT. NOV.], 2092
EROMOMYIA MAJOR MALLOCH 1919, 2814
ERRAZURIZIA ROTUNDATA (WOOT.) BARNEBY 1961 [COMB. NOV.], 303
ERRAZURIZIA SECT. EXOSTEMON BARNEBY 1961 [SECT. NOV.], 303
ERRAZURIZIA SECT. PSOROBATUS (RYDB.) BARNEBY 1961 [STAT. NOV.], 303
ERVILIA GALAPAGANA DALL & OCHSNER 1928, 954
ERYCINA TURBACOENSIS ANDERSON 1929, 50
ERYNOGIUM HARKNESSII CURRAN 1885, 917
ERYSIMUM CONCINNUM EASTWOOD 1901, 1136
ERYSIMUM FILIFOLIUM EASTWOOD 1938, 1204
ERYSIMUM MONILIFORME EASTWOOD 1938, 1204
ERYSIMUM TERETIFOLIUM EASTWOOD 1938 [SUB. NAME], 1213
ERYSIPHE TRINA HARKNESS 1884, 1773
ERYTHEA ACULEATA BRANDEGEE 1905, 573
ERYTHRINA PETRAEA BRANDEGEE 1908, 577
ERYTHRINA PURPUSI BRANDEGEE 1901, 568
ERYTHRONEURA CORYLI VAN DUZEE 1924, 3803
ERYTHRONEURA DENTATA BILOCULARIS VAN DUZEE 1924, 3803
ERYTHRONEURA TERGEMINA VAN DUZEE 1924, 3803
ERYTHRONEURA TERNARIA VAN DUZEE 1924, 3803
ERYTHRONIUM GRANDIFLORUM SUBSP. PUSATERII MUNZ & HOWELL 1964, 2980
ESCALLONIA, 1171, 1173
ESCALLONIA FRANCISCANA EASTWOOD 1929, 1144
ESCALLONIA ROCKII EASTWOOD 1929, 1144
ESCALLONIA RUBRICALYX EASTWOOD 1929, 1144
ESCARIA CLAUDA PALLENS BARNES & BENJAMIN 1923, 307
ESCHSCHOLTZ (FRIEDERICH), 1248
ESCHSCHOLTZIA, 501, 2042
ESCHSCHOLTZIA AUSTINAE GREENE 1885, 1634
ESCHSCHOLTZIA ELEGANS GREENE 1885, 1636
ESCHSCHOLTZIA ELEGANS VAR. RAMOSA GREENE 1885, 1636
ESCHSCHOLTZIA GLYPTOSPERMA GREENE 1885, 1634
ESCHSCHOLTZIA MEXICANA GREENE 1885, 1634
ESCHSCHOLTZIA PARISHII GREENE 1885, 1636
ESCHSCHOLTZIA PENINSULARIS GREENE 1885, 1634
ESCHSCHOLTZIA RHOMBIPETALA GREENE 1885, 1634
ESCHSCHOLZIA FRUTESCENS (GREENE) HOWELL 1942 [COMB. NOV.], 2042
ESENBECKIA DELTACHI PHILIP 1978, 3117
ESENBECKIA FLAVA BRANDEGEE 1891, 542
ESENBECKIA LEECHI PHILIP 1978, 3117
ESENBECKIA SCHLINGERI PHILIP 1960, 3116

ESSELENIA HEBARD 1920, 1807
ESSELENIA VANDUZEEI HEBARD 1920, 1807
ESSELENIA VANDUZEEI VIOLAE RENTZ 1966, 3231
ESTOLA DUNCANI VAN DYKE 1953, 3818
ESTOLA INSULARIS NIGRESCENS LINSLEY & CHEMSAK 1966, 2738
ETHALIA SUPRAVALLATA CARPENTER 1866, 700
ETHIOPIAN REGION, 4045
ETHNOLOGY, 934, 941, 2565, 3145, 3986
ETRAGONEURA LONGICAUDA VAN DUZEE 1928, 3813
EUARESTA LATIPENNIS TOWNSEND 1893, 3670
EUBLEPHARIS MACULARIUS ANDERSON & LEVITON 1966, 63
EUBRANCHUS OCCIDNETALIS MACFARLAND 1966, 2789
EUCALYPTUS, 2574, 3532, 3852, 3855
EUCEPHALUS BICOLOR EASTWOOD 1931, 1146
EUCEPHALUS GLANDULOSUS EASTWOOD 1931, 1146
EUCERAPHIS JAPONICA ESSIG & KUWANA 1918, 1376
EUCHEUMA JOHNSTONII SETCHELL & GARDNER 1924, 3387
EUCHEUMA UNCINATUM SETCHELL & GARDNER 1924, 3387
EUCLIDIUM, 2844
EUCOELA MEXICANA ASHMEAD 1895, 130
EUCRATE? CALIFORNENSIS LOCKINGTON 1877, 2750
EUCRYPHYCUS ANDERSON 1988, 55
EUCRYPTA CHRYSANTHEMIFOLIA GREENE 1885, 1636
EUCRYPTA PANICULATA GREENE 1885, 1636
EUDAMUS GALAPAGENSIS WILLIAMS 1911, 3944
EUDERCES ANDERSONI GEISBERT & CHEMSAK 1997, 1550
EUDERCES AURICAUDUS GEISBERT & CHEMSAK 1997, 1550
EUDERCES AZUREUS GEISBERT & CHEMSAK 1997, 1550
EUDERCES BASIMACULATUS GEISBERT & CHEMSAK 1997, 1550
EUDERCES BATESI GEISBERT & CHEMSAK 1997, 1550
EUDERCES BELLUS GEISBERT & CHEMSAK 1997, 1550
EUDERCES BIPLAGIATUS GEISBERT & CHEMSAK 1997, 1550
EUDERCES BRAILOVSKYI GEISBERT & CHEMSAK 1997, 1550
EUDERCES DISPARICRUS GEISBERT & CHEMSAK 1997, 1550
EUDERCES ELVIRAE GEISBERT & CHEMSAK 1997, 1550
EUDERCES GROSSISTRIATUS GEISBERT & CHEMSAK 1997, 1550
EUDERCES GUATEMALENUS GEISBERT & CHEMSAK 1997, 1550
EUDERCES LINSLEYI GEISBERT & CHEMSAK 1997, 1550
EUDERCES NOGUERAI GEISBERT & CHEMSAK 1997, 1550
EUDERCES OBLIQUEFASCIATUS GEISBERT & CHEMSAK 1997, 1550
EUDERCES PARAPOSTICUS GEISBERT & CHEMSAK 1997, 1550
EUDERCES PERPLEXUS GEISBERT & CHEMSAK 1997, 1550
EUDERCES POSTIPALLIDUS GEISBERT & CHEMSAK 1997, 1550
EUDERCES PROPINQUUS GEISBERT & CHEMSAK 1997, 1550
EUDERCES PROXIMUS GEISBERT & CHEMSAK 1997, 1550
EUDERCES PUSILLUS GEISBERT & CHEMSAK 1997, 1550
EUDERCES SUCCINUS GEISBERT & CHEMSAK 1997, 1550
EUDERCES TIBIALIS GEISBERT & CHEMSAK 1997, 1550
EUDERCES TURNBOWI GEISBERT & CHEMSAK 1997, 1550
EUDERCES VENEZUELENSIS GEISBERT & CHEMSAK 1997, 1550
EUDERCES WAPPESI GEISBERT & CHEMSAK 1997, 1550
EUGENIA, 1220
EUGERRES JRDAN & EVERMANN 1927, 2348
EUGLANDINA MARIANA DALL 1926, 953
EUGNATHA ORIZABA BANKS 1898, 259
EUGNATHODUS JUVENTUS VAN DUZEE 1937, 3807
EUHIRUDINEA:GLOSSIPHONIIDAE, 2961
EUHOSACKIA KELLOGG 1861, 2492
EULIMELLA CALIFORNICA ANDERSON & MARTIN 1914, 53
EULIMELLA DILLERI ANDERSON & MARTIN 1914, 53
EULIMELLA GABBIANA ANDERSON & MARTIN 1914, 53
EULIMELLA OCCIDNETALIS HEMPHILL 1894, 1827
EULIMELLA OCHSNERI ANDERSON & MARTIN 1914, 53
EULIMOSTRACA BARTSCHI STRONG & HERTLEIN 1937, 3602
EUMECES BARBOURI VAN DENBURGH 1912, 3767
EUMECES CHINENSIS FORMOSENSIS VAN DENBURGH 1912, 3767
EUMECES GILBERTI VAN DENBURGH 1896, 3754
EUMECES ISHIGAKIENSIS VAN DENBURGH 1912, 3767
EUMECES LAGUNENSIS VAN DENBURGH 1895,

3747
EUMECES MARGINATUS AMANIENSIS VAN DENBURGH 1912, 3767
EUMECES MARGINATUS KIKAIGENSIS VAN DENBURGH 1912, 3767
EUMENES COYOTAE BOHART 1948, 472
EUMENES PEDALIS FOX 1894, 1465
EUMICRUS LUCANUS HORN 1895, 1936
EUMITOCERUS CASEY 1886, 710
EUMITOCERUS TARSALIS CASEY 1886, 710
EUNANUS BREWERI GREENE 1885, 1634
EUNANUS LAYNEAE GREENE 1885, 1634
EUNANUS TORREYI GREENE 1885, 1634
EUPATORIUM PACIFICUM ROBINSON 1931, 2314
EUPATORIUM PASADENENSE PARISH 1900, 3075
EUPATORIUM RIVALE GREENMAN 1904, 1660
EUPATORIUM VERNICOSUM GREENMAN 1904, 1660
EUPERIA SAMBUCI BEHR 1885, 350
EUPHORBIA, 2094, 2163
EUPHORBIA (AGALOMA) NEPHRADENIA BARNEBY 1966, 306
EUPHORBIA (ANISOPHYLLUM) INCERTA BRANDEGEE 1891, 541
EUPHORBIA BISCULATA HOWELL 1935, 1981
EUPHORBIA BISERRATA MILLSPAUGH 1891, 2933
EUPHORBIA BRANDEGEI MILLSPAUGH 1889, 2932
EUPHORBIA CERODERMA JOHNSTON 1924, 2313
EUPHORBIA CHAMBERLINI JOHNSTON 1924, 2313
EUPHORBIA COFRADIANA BRANDEGEE 1905, 573
EUPHORBIA COMONDUANA MILLSPAUGH 1889, 2932
EUPHORBIA CONJUNCTA MILLSPAUGH 1889, 2932
EUPHORBIA GEMINILOBA MILLSPAUGH 1889, 2932
EUPHORBIA GUADALUPENSIS HOWELL 1933, 1957
EUPHORBIA HETEROPHYLLA VAR. ERICARPA MILLSPAUGH 1889, 2932
EUPHORBIA HUMAYENSIS BRANDEGEE 1905, 573
EUPHORBIA INVOLUTA MILLSPAUGH 1889, 2932
EUPHORBIA NEO-MEXICANA GREENE 1886, 1639
EUPHORBIA PARISHII GREENE 1886, 1639
EUPHORBIA PATELLIFERA HOWELL 1933, 1957
EUPHORBIA PSEUDOSERPYLLIFOLIA FORMA VILLOSA HOWELL 1933, 1957
EUPHORBIA PURISIMANA MILLSPAUGH 1889, 2932
EUPHORBIA RUSBYI GREENE 1886, 1639
EUPHORBIA SINALOENSIS BRANDEGEE 1905, 573
EUPHORBIA TALUTICOLA WIGGINS 1965, 3926
EUPHORBIA VELUTINA GREENE 1886, 1639
EUPHORBIA WATSONII MILLSPAUGH 1891, 2933
EUPHROSYNE ARCTIA JOHNSON 1897, 2307
EUPHROSYNE AURANTIACA JOHNSON 1897, 2307
EUPLECTUS CALIFORNICUS CASEY 1887, 711
EUPLEURA MURICIFORMIS ARNOLD 1903, 126
EUPOGONOMYIA MALLOCH 1921, 1759
EUPOGONOMYIA PRIBILOFENSIS MALLOCH 1921, 1759
EUPROSOPIA LEPIDA CURRAN 1936, 914
EUPROTOMICRUS HYALINUS EIGENMANN 1890, 1322
EUROPE, 623, 1679, 1791, 2635, 2687, 2715, 2771, 2772, 2825, 3015, 3251, 3480, 3638, 3836, 3968
EUROPIELLA MELLA VAN DUZEE 1937, 3806, 3807
EUROPIELLA SPARSA VAN DUZEE 1918, 3796
EUROSTA PALLIDA COLE 1923, 786
EURYNOTOTHRIPS LATAPENNIS MOULTON 1968, 2963
EURYNOTOTHRIPS MOULTON 1968, 2963
EURYOPIS CALIFORNICA BANKS 1904, 260
EURYPELMA DUPLEX CHAMBERLIN 1925, 718
EURYPELMA EPICUREANA CHAMBERLIN 1925, 718
EURYPELMA STOICA CHAMBERLIN 1925, 718
EURYPOGON CONFUSUS HALL 1901, 1718
EURYSCOPA ALICULA FALL 1927, 1417
EURYTHOE CALIFORNICA JOHNSON 1897, 2307
EURYTOMA TEPICENSIS ASHMEAD 1895, 130
EUSATTUS ARENARIUS DOYEN 1984, 1076
EUSATTUS ARIDUS DOYEN 1984, 1076
EUSATTUS CATALINENSIS DOYEN 1984, 1076
EUSATTUS CATAVINUS DOYEN 1984, 1076
EUSATTUS CEDROSENSIS DOYEN 1984, 1076
EUSATTUS CERALBOENSIS DOYEN 1984, 1076
EUSATTUS CIENEGUS DOYEN 1984, 1076
EUSATTUS CILIATOIDES DOYEN 1984, 1076
EUSATTUS CRYPTICUS DOYEN 1984, 1076
EUSATTUS FRANCISCANUS DOYEN 1984, 1076
EUSATTUS HIRSUTUS DOYEN 1984, 1076
EUSATTUS MINIMUS DOYEN 1984, 1076
EUSATTUS PALLIDUS DOYEN 1984, 1076
EUSATTUS PHREATOPHILUS DOYEN 1984, 1076
EUSATTUS PLANULUS DOYEN 1984, 1076
EUSATTUS PUNCTICEPS BLAISDELL 1923, 405
EUSATTUS SECUTUS HORN 1894, 1935
EUSATTUS VIZCAINENSIS DOYEN 1984, 1076
EUSCAPHURUS CASEY 1885, 708
EUSCAPHURUS SALTATOR CASEY 1885, 708
EUSCELIS ALMUS VAN DUZEE 1925, 3804
EUSCELIS FINITIMUS VAN DUZEE 1925, 3804
EUSCELIS GENTILIS VAN DUZEE 1925, 3804
EUSCHÖNGASTIA ALPINA SASA & JAMESON 1954, 3356
EUSESTA NESIOTIS STEYSKAL 1966, 3570
EUSPHAIRICA DISTUBULA HOARE 2000, 1898
EUSPHAIRICA HOARE 2000, 1898
EUSTALA ANASTERA BULIAFERA CHAMBERLIN 1924, 717
EUSTALA ANASTERA LEUCA CHAMBERLIN 1924, 717
EUSTATTUS CILIATUS HORN 1894, 1935
EUSTATTUS DIFFICILIS HALL 1901, 1718
EUSTILBUS NOTABILIS HALL 1901, 1718
EUSTOMA, 2214, 3137
EUTHISCIA CROCKERI VAN DUZEE 1937, 3806, 3807

EUTHISCIA SIGNATA VAN DUZEE 1923, 3802
EUTHISCIA TUBERCULATA VAN DUZEE 1923, 3802
EUTHISCIA VAN DUZEE 1923, 3802
EUTHYSANIUS CRIBRICOLLIS VAN DYKE 1932, 3816
EUTHYSANIUS PICEUS VAN DYKE 1932, 3816
EUTOMOCERAS DUNNI SMITH 1904, 3464
EUXESTA CAVAGNAROI STEYSKAL 1966, 3570
EUXESTA GALAPAGENSIS CURRAN 1934, 913
EUXESTA PHOEBA STEYSKAL 1966, 3570
EUXESTA SCHUSTERI STEYSKAL 1966, 3570
EUXESTA SPODIA STEYSKAL 1966, 3570
EVAGRUS EMPIRICUS CHAMBERLIN 1924, 717
EVAGRUS JOSEPHUS CHAMBERLIN 1924, 717
EVAGRUS PRAGMATICUS CHAMBERLIN 1924, 717
EVAGRUS SCEPTICUS CHAMBERLIN 1924, 717
EVAZA INCIDENS CURRAN 1936, 914
EVAZA SOLOMENSIS CURRAN 1936, 914
EVAZA WHITNEYI CURRAN 1936, 914
EVERMANNIA JORDAN 1895, 2332
EVERMANNIA PANAMENSIS GILBERT & STARKS 1904, 1555
EVIOTA RANDALLI GREENFIELD 2009, 1650
EVIOTA RUBRISPARSA GREENFIELD & RANDALL 2010, 1657
EVIOTA SHIMADAI GREENFIELD & RANDALL 2010, 1657
EVIOTA TIGRINA GREENFIELD & RANDALL 2008, 1656
EVIOTA TOSHIYUKI GREENFIELD & RANDALL 2010, 1657
EVIOTA WINTERBOTTOMI GREENFIELD & RANDALL 2010, 1657
EVIPS MCCOSKER 1972, 2854
EVIPS PERCINCTUS MCCOSKER 1972, 2854
EVOXYSOMA DECATOMOIDES ASHMEAD 1895, 130
EXCENTRICUS CALIFORNICUS PLUTO VAN DUZEE 1917, 3795
EXCENTRICUS MEXICANUS VAN DUZEE 1923, 3802
EXECHIA ANGUSTATA VAN DUZEE 1928, 3813
EXECHIA AUQUALIS VAN DUZEE 1928, 3813
EXECHIA BOREALIS VAN DUZEE 1928, 3813
EXECHIA BREVIPETIOLATA VAN DUZEE 1928, 3813
EXECHIA NOCTIVAGUS VAN DUZEE 1928, 3813
EXECHIA UMBROSA VAN DUZEE 1928, 3813
EXECHIA UNICINCTA VAN DUZEE 1928, 3813
EXECHIA UNICOLOR VAN DUZEE 1928, 3813
EXHIBITS, 3395
EXILIA FAUSTA ANDERSON & HANNA 1925, 51
EXILIA NOVATRIX ANDERSON & HANNA 1925, 51
EXILIA WARINGI DICKERSON 1915, 1057
EXOBASIDIUM ACRTOSTAPHYLI HARKNESS 1884, 1773
EXOBASIDIUM DECOLORANS HARKNESS 1884, 1773
EXOCAETUS CALIFORNICUS COOPER 1863, 824
EXOCHOMUS HISTRIO HALL 1901, 1718
EXOCOSEMBIA CAVAGNAROI ROSS 2003, 3310
EXOCOSEMBIA ROSS 2003, 3310
EXOCOSEMBIA UNICOLOR ROSS 2003, 3310
EXOMALOPSIS PULCHELLA ARIDA COCKERELL 1923, 774
EXOPROSOPA ATRIPES COLE 1923, 785
EXOPROSOPA HYALIPENNIS COLE 1923, 785
EXOPROSOPA TIBURONENSIS COLE 1923, 785
EXPEDITION REPORT (GENERAL), 893, 1700, 1731, 1733, 2195, 3417
EXPEDITIONS, 603, 1085, 1529, 1549, 1625, 1731, 1733, 1839, 1899, 2290, 2662, 2708, 2743, 2876, 3139, 3426, 3417, 3802, 3821
EXPEDITIONS:ARCTIC REGIONS, 70, 603, 671
EXPEDITIONS:BELVEDERE SCIENTIFIC FUND 1959-1960, 2708
EXPEDITIONS:GUADALUPE ISLAND 1922, 91, 408, 1731
EXPEDITIONS:GULF OF CALIFORNIA 1921, 24, 233, 307, 405, 406, 579, 714, 715, 716, 717, 719, 774, 775, 785, 786, 1417, 1435, 1462, 1728, 1750, 1808, 2313, 2787, 2806, 2809, 2815, 3187, 3355, 3369, 3387, 3417, 3633, 3790, 3791, 3802, 3810, 4014
EXPEDITIONS:ORCA, 97
EXPEDITIONS:REVILLAGIGEDO ISLANDS 1925, 232, 953, 1463, 1733, 1748, 2346, 2347, 3388, 3420
EXPEDITIONS:SPANISH, 1027
EXPEDITIONS:TEMPLETON CROCKER 1932, 311, 391, 486, 755, 778, 893, 913, 987, 1700, 1862, 1884, 1939, 1963, 1964, 1965, 1980, 1981, 1997, 2037, 2179, 2614, 2720, 2726, 3385, 3389, 3601, 3602, 3608, 3805, 3814, 3892
EXPEDITIONS:TEMPLETON CROCKER 1933, 914, 1034, 1945, 3380, 3384, 3427, 3893
EXPEDITIONS:TEMPLETON CROCKER 1934-1935, 756, 3806, 3807
EXPLORATION, 584, 933, 934, 1027, 1339, 2003, 2107, 3240, 3241, 3959, 4000
EYMUS CINEREUS FORMA LAEVIS ST.JOHN 1960, 3351
FAGONIA DENSA JOHNSTON 1924, 2313
FALAGRIA LATICOLLIS CASEY 1885, 708
FALAGRIA OCCIDUA CASEY 1885, 708
FARALLON ISLANDS, 159, 206, 630, 3024, 3440
FARALLONOPHILUS CAVERNICOLUS RENTZ 1972, 3232
FARALLONOPHILUS RENTZ 1972, 3232
FARES JORDAN & TANAKA 1927, 2339
FARLOWELLA CARINATA GARMAN IN C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
FASCIOLARIA BUWALDANA DICKERSON 1915, 1057
FASCIOLARIA CHATSWORTHENSIS WARING 1917, 3858
FASCIOLARIA OLSSONI ANDERSON 1929, 50
FAUCHEA GARDNERI SETCHELL 1901, 3383

FAUNAL LIST, 341, 342, 829, 830
FAUNAL SURVEY, 625, 1440, 1584, 3644
FAVIA HANNAI DURHAM 1942, 1103
FAXONIA BRANDEGEE 1894, 561
FAXONIA PUSILLA BRANDEGEE 1894, 561
FELICHTHYS FLAVESCENS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
FENDLERELLA MEXICANA BRANDEGEE 1908, 577
FENELLA PUPOIDEA CARPENTER 1866, 700
FENESTRELLA PICTA HANNA & BRIGGER 1964, 1744
FERDAUIA JORDAN & EVERMANN & WAKIYA 1927, 2339
FERNALDELLA FIMETARIA ANGELETA WRIGHT 1923, 4014
FERNS, 502, 506, 680, 1145, 1273, 2773, 3083, 3453, 3730
FERONIA BLAIRI VAN DYKE 1953, 3818
FERONIA DUNCANI VAN DYKE 1953, 3818
FERONIA GALAPAGOENSIS BECKI VAN DYKE 1953, 3818
FERONIA MEUTCHLERI VAN DYKE 1953, 3818
FERONIA WATERHOUSI VAN DYKE 1953, 3818
FERONIA WILLIAMSI VAN DYKE 1953, 3818
FERRER (HENRY), 3238
FESTUCA, 1974
FESTUCA MICROSTACHYS VAR. SIMULANS (HOOVER) HOOVER 1966 [COMB. NOV.], 1934
FESTUCA OVINA VAR. MINUTIFLORA (RYDB.) HOWELL 1951 [STAT. NOV.], 2126
FICUS, 3013
FICUS COLOMBIANA ANDERSON 1929, 50
FICUS PLECTATUS WARING 1917, 3858
FIELD GUIDE, 2231, 2945
FIELD OBSERVATIONS, 79, 242, 244, 550, 687, 815, 1122, 1197, 1235, 1269, 1859, 1888, 1918, 1959, 1966, 1967, 1975, 2003, 2008, 2014, 2029, 2031, 2032, 2039, 2040, 2042, 2054, 2062, 2065, 2083, 2091, 2107, 2138, 2143, 2149, 2156, 2177, 2198, 2199, 2762, 2766, 2800, 3092, 3208
FIJI, 618, 1646, 1648, 1649, 1650, 1652, 1653, 1813, 3381
FILIPPO PARLATORE, 3837
FIRST AMERICANS, 1346, 1356, 2280, 2894, 2904, 3008, 3294, 3509, 3557, 3715
FISHERIA DEPRESSA LOCKINGTON 1877, 2755
FISHERIA LOCKINGTON 1877, 2755
FISHES, 207, 208, 209, 211, 212, 213, 214, 215, 1656, 2888, 2945
FISSIDENS HOWELLI BARTRAM 1933, 311
FISSURELLA FENESTRATA GARRITT 1872, 1508
FISSURELLA FOVEOLATA GARRITT 1872, 1508
FISTULARIA CORNETA GILBERT & STARKS 1904, 1555
FLABELLINA BERTSCHI GOSLINER & KUZIRIAN 1990, 1614
FLABELLINA DANA MILLEN & HAMANN 2006, 2914, 2916
FLABELLINA FOGATA MILLEN & HERMOSILLO 2007, 2917
FLABELLINA GODDARDI GOSLINER 2010, 1604
FLABELLINA HAMANNI GOSLINER 1994, 1599
FLABELLINA MARCUSORUM GOSLINER & KUZIRIAN 1990, 1614
FLABELLINA OPALESCENS (COOPER 1862), 821
FLABELLINA VANSYOCI GOSLINER 1994, 1599
FLAGELLATA, 2817, 2819, 2820, 2821
FLATOIDES ENOTUS VAN DUZEE 1923, 3802
FLOODS, 177
FLORA, 477, 580, 963, 971, 972, 1476, 1483, 2231, 2411, 2597, 2834, 2852, 2951, 3084, 3454, 3457, 3459, 3603
FLORAL SURVEY, 478, 1440, 1642, 2626, 2674, 3484, 3644, 3712, 4031
FLORIDA, 1314, 1938, 2258, 3529
FLOURENSIA ILICIFOLIA BRANDEGEE 1908, 575
FLOYD (CAPT. R.S.), 492
FORAMINIFERA, 49, 725, 749, 751, 924, 925, 3574
FORBESELLA JORDAN & EVERMANN 1927, 2348
FORCEPIA ACANTHOSTYLOSA LEE 2001, 2678
FORCEPIA ELVINI LEE 2001, 2678
FORCEPIA HARTMANI LEE 2001, 2678
FORCEPIA MACROSTYLOSA LEE 2001, 2678
FORMAINIFERA, 750
FORMICIDAE, 1875, 3112, 3113, 3114, 3892, 3893
FORRERIA WRIGHTI JORDAN & HERTLEIN 1926, 2347
FOSSARUS DALLI ANDERSON & MARTIN 1914, 53
FOSSIL INSECTS, 697, 1355, 3409
FOSSILS, 10, 44, 45, 60, 76, 92, 93, 126, 310, 397, 440, 451, 452, 453, 458, 459, 461, 462, 585, 599, 725, 762, 763, 800, 843, 844, 845, 859, 863, 890, 949, 954, 1057, 1310, 1422, 1489, 1490, 1491, 1737, 1743, 1745, 1749, 1753, 1831, 1861, 1867, 1869, 1871, 1946, 2285, 2337, 2610, 2611, 2819, 2823, 2881, 2900, 2901, 2902, 2931, 3123, 3225, 3226, 3227, 3315, 3320, 3447, 3451, 3461, 3463, 3464, 3465, 3626, 3627, 3677, 3678, 3680, 3681, 3695, 3696, 3698, 3699, 3832, 3839, 3841, 3842, 3843, 3881, 3902, 3913, 3923, 4001, 4005, 4035, 4043
FOSSILS: HUMAN, 3557, 3909
FRANCE, 1450
FRANSERIA ACUMINATA BRANDEGEE 1889, 524
FRANSERIA ARBORESCENS BRANDEGEE 1901, 568
FRANSERIA BIPINNATIFIDA VAR. DUBIA EASTWOOD 1898, 1125
FRANSERIA CAMPHORATA GREENE 1885, 1636
FRANSERIA CHAMISSONIS VAR. VISCIDA EASTWOOD 1898, 1125
FRANSERIA DIVARICATA BRANDEGEE 1889, 524
FRANSERIA MAGDALENAE BRANDEGEE 1889, 524
FRASERA UTAHENSIS JONES 1891, 2319
FRAUDS, 3403, 3915
FRAXINUS ANOMALA VAR. TRIPHYLLA JONES 1895, 2327
FREMONTIA CRASSIFOLIA EASTWOOD 1934, 1182

FREMONTIA OBISPOENSIS EASTWOOD 1934, 1182
FREMONTODENDRON CALIFORNICUM SSP. CRASSIFOLIUM (EASTW.) J.H.THOMAS 1955 [COMB. NOV.], 3645
FREMONTODENDRON CALIFORNICUM SSP. NAPENSE (EASTW.) MUNZ 1964 [COMB. NOV.], 2978
FREMONTODENDRON CALIFORNICUM SSP. OPISPOENSE (EASTW.) MUNZ 1964 [COMB. NOV.], 2978
FRENCH GUIANA, 1471, 3129, 3162
FRITILLARIA EXIMIA EASTWOOD 1938, 1210
FRITILLARIA MULTIFLORA KELLOGG 1855, 2434, 2546
FRITILLARIA MULTISCAPIDEA KELLOGG 1855, 2426, 2537
FRITILLARIA PHAEANTHERA EASTWOOD 1933, 1167
FRITILLARIA STRIATA EASTWOOD 1931, 1146
FRITILLARIA VIRIDEA KELLOGG 1859, 2458
FROELICHIA JUNCEA ALATA HOWELL 1933, 1965
FROELICHIA NUDICAULIS CURTA HOWELL 1933, 1965
FROGS, 15, 255, 608, 610, 612, 613, 614, 615, 616, 1079, 1080, 1081, 1082, 1083, 1567, 2293, 3358, 3936, 3937, 3938, 3994, 3995
FUCELLIA AESTUUM ALDRICH 1918, 17
FUCELLIA EVERMANNI ALDRICH 1918, 17
FUCELLIA HINEI ALDRICH 1918, 17
FUCELLIA MARITIMA PACIFICA MALLOCH 1923, 2815
FUCELLIA REJECTA ALDRICH 1918, 17
FUCHSIA BRACELINAE MUNZ 1943, 2975
FUCHSIA COLIMAE MUNZ 1943, 2975
FUCHSIA CUATRECASASII MUNZ 1943, 2975
FUCHSIA GEHRIGERI MUNZ 1943, 2975
FUCHSIA JAHNII MUNZ 1943, 2975
FUCHSIA LEHMANNII MUNZ 1943, 2975
FUCHSIA MAGDALENAE MUNZ 1943, 2975
FUCHSIA MEXIAE MUNZ 1943, 2975
FUCHSIA POLYANTHA KILLIP 1943, 2975
FUCHSIA PUTUMAYENSIS MUNZ 1943, 2975
FUCHSIA SKUTCHIANA MUNZ 1943, 2975
FUCHSIA SMITHII MUNZ 1943, 2975
FUCHSIA STORKII MUNZ 1943, 2975
FUCHSIA UNDUAVENSIS MUNZ 1943, 2975
FULGOROIDEA, 1423
FUNGI, 363, 438, 441, 486, 773, 813, 814, 816, 1347, 1773, 1774, 1776, 1777, 1780, 1783, 1786, 1789, 1790, 2313, 3100, 3119, 3130, 3732
FURCILLA DOROTHYAE MARTIN 1975, 2831
FURCILLA MARTIN 1975, 2831
FURCILLA PETILA MARTIN 1975, 2831
FUSCUS, 951
FUSINUS EMPIREENSIS ANDERSON & MARTIN 1914, 53
FUSINUS MAGDALENENSIS ANDERSON 1929, 50
FUSINUS ZACAE STRONG & HERTLEIN 1937, 3602
FUSUS BARBARENSIS TRASK 1855, 3678, 3696
FUSUS ROBUSTUS TRASK 1855, 3678, 3696
FUSUS RUGOSUS TRASK 1855, 3678, 3696
FUSUS WILKESANA ANDERSON 1905, 45
FUSUS WILLISI DICKERSON 1915, 1057
GADIFORMES, 2243, 2265, 2269, 2273, 2274, 2277, 2278, 3361, 3391, 3392
GADOMUS PEPPERI IWAMOTO & WILLIAMS 1999, 2278
GAGATA GASAWYUH ROBERTS & FERRARIS 1998, 3282
GAGATA MELANOPTERUS ROBERTS & FERRARIS 1998, 3282
GALAPAGOCORIS CARVALHO 1968, 706
GALAPAGOMIRIS CARVALHO 1968, 706
GALAPAGOMIRIS LONGIROSTRIS CARVALHO 1968, 706
GALAPAGOSIA CURRAN 1934, 913
GALAPAGOSIA MINUTA CURRAN 1934, 913
GALAPAGOS ISLANDS, 6, 39, 132, 311, 391, 486, 491, 578, 622, 695, 706, 742, 757, 778, 816, 911, 926, 952, 954, 955, 987, 1085, 1104, 1424, 1528, 1529, 1549, 1551, 1552, 1625, 1792, 1804, 1819, 1839, 1862, 1863, 1870, 1871, 1880, 1899, 1945, 1963, 1964, 1979, 1981, 1997, 2037, 2180, 2230, 2233, 2259, 2290, 2291, 2292, 2372, 2601, 2642, 2646, 2662, 2699, 2720, 2726, 2737, 2738, 2741, 2743, 2767, 2866, 2873, 2876, 2878, 2934, 2956, 3030, 3128, 3138, 3139, 3142, 3242, 3299, 3303, 3319, 3373, 3379, 3385, 3400, 3426, 3434, 3446, 3561, 3567, 3569, 3570, 3608, 3609, 3618, 3620, 3761, 3763, 3769, 3781, 3805, 3818, 3820, 3821, 3830, 3835, 3890, 3892, 3927, 3944, 3961, 3992, 4040
GALEICHTHYS AZUREUS JORDAN & WILLIAMS 1895, 2333
GALEICHTHYS EIGENMANNI GILBERT & STARKS 1904, 1555
GALEICHTHYS GILBERTI JORDAN & WILLIAMS 1895, 2333
GALERUS CONTORTUS CARPENTER 1866, 700
GALIUM, 1036, 1307, 1882
GALIUM AMBIGUUM WRIGHT 1900, 4007
GALIUM ANGUSTIFOLIUM VAR. BERNARDINUM HILEND & HOWELL 1934, 1881
GALIUM ANGUSTIFOLIUM VAR. FOLIOSUM HILEND & HOWELL 1934, 1881
GALIUM ANGUSTIFOLIUM VAR. SICCATIM (WIGHT) [HILEND & HOWELL 1934; [COMB. NOV.], 1881
GALIUM ANGUSTIFOLIUM VAR. TYPICUM HILEND & HOWELL 1935 [NOM. NOV.], 1882
GALIUM BUXIFOLIUM GREENE 1886, 1641
GALIUM CALIFORNICUM VAR. TYPICUM HILEND & HOWELL 1935 [NOM. NOV.], 1882
GALIUM CHARTACEUM WRIGHT 1900, 4007

GALIUM CLEMENTIS EASTWOOD 1933, 1168
GALIUM COLLOMAE HOWELL 1949, 2104
GALIUM COLORADOENSE WRIGHT 1900, 4007
GALIUM MULTIFLORUM KELLOGG 1861, 904, 1307, 1971, 2486
GALIUM MUNZII HILEND & HOWELL 1934, 1881
GALIUM MUNZII VAR. CARNEUM HILEND & HOWELL 1934, 1881
GALIUM MUNZII VAR. SUBALPINUM HILEND & HOWELL 1934, 1881
GALIUM MURICATUM WRIGHT 1900, 4007
GALIUM PARISHII HILEND & HOWELL 1934, 1881
GALIUM SICCATUM WRIGHT 1900, 4007
GALIUM SPARSIFLORUM WRIGHT 1900, 4007
GALIUM STELLATUM KELLOGG 1861, 2486
GALIUM STELLATUM VAR. TYPICUM HILEND & HOWELL 1935 [NOM. NOV.], 1882
GALIUM SUBSCABRIDUM WRIGHT 1900, 4007
GALIUM TINCTORIUM DIVERSIFOLIUM WRIGHT 1900, 4007
GALIUM TINCTORIUM SUBMONTANUM WRIGHT 1900, 4007
GALIUM UTAHENSE EASTWOOD 1933, 1168
GALLIUM [SIC] STELLATUM VAR. EREMICUM HILEND & HOWELL 1934, 1881
GALVESIA GLABRATA BRANDEGEE 1901, 568
GALVESIA SPECIOSA VAR. PUBESCENS BRANDEGEE 1901, 568
GALVEZIA LEUCANTHA PUBESCENS WIGGINS 1968, 3927
GALVEZIA LEUCANTHA WIGGINS 1968, 3927
GAMASOMORPHA RUFA BANKS 1898, 259
GAMASUS CALIFORNICUS BANKS 1904, 260
GANGRA ROBERTS & FERRARIS 1998, 3282
GAOLIGONGSHAN, 1478, 1479, 2361, 4031
GARGAMELLA BOVINA GAROVOY & VALDES & GOSLINER 1999, 1503
GARGAMELLA GRAVASTELLA GAROVOY & VALDES & GOSLINER 1999, 1503
GARGAPHIA GENTILIS VAN DUZEE 1923, 3802
GARGAPHIA INSULARIS VAN DUZEE 1923, 3802
GARPUS GRACILIS LEE 1979, 2677
GARRYA PALLIDA EASTWOOD 1902, 1141
GARRYA VEATCHII KELLOGG 1873, 2568
GARYPINUS ARBORICOLUS CHAMBERLIN 1923, 715
GARYPINUS CORTICOLUS CHAMBERLIN 1923, 715
GARYPINUS LITORALIS CHAMBERLIN 1923, 715
GARYPINUS SERIANUS CHAMBERLIN 1923, 715
GARYPINUS SOLUS CHAMBERLIN 1923, 715
GARYPUS PALLIDUS CHAMBERLIN 1923, 715
GARYPUS SINI CHAMBERLIN 1923, 715
GASTEROMYCETES, 486
GASTEROSTEUS SERRATUS AYRES 1855, 155, 202
GASTOCOPTA SAGITTARIA ROTH 1986, 3318
GASTROCOPTA CORDILLERAE ROTH 1986, 3318
GASTROCOPTA MONTANA ROTH 1986, 3318
GASTROCOPTA RIXFORDI HANNA 1923, 1728
GASTRODES ARIZONENSIS USINGER 1938, 3733
GASTRODES INTERMEDIUS USINGER 1938, 3733
GASTRODES REMOTUS USINGER 1938, 3733
GASTRODES WALLEYI USINGER 1938, 3733
GASTROMYZON CONTRACTUS ROBERTS 1982, 3275
GASTROMYZON CTENOCEPHALUS ROBERTS 1982, 3275
GASTROMYZON LEPIDOGASTER ROBERTS 1982, 3275
GASTROMYZON MEGALEPIS ROBERTS 1982, 3275
GASTROMYZON RIDENS ROBERTS 1982, 3275
GASTROPACHA EDWARDS 1874, 1285
GASTROPODA:CTENOBRANCHIATA, 1739
GASTROPODA:DRUPINAE, 1867
GASTROPODA:LEPETIDAE, 4025
GASTROPODA:OPISTHOBRANCHIATA, 753, 2789
GASTROPODA:PULMONATA, 3317
GASTROPODA:TEREBRIDAE, 578
GASTROPODS, 8, 834, 1739, 1746, 1867, 1872, 2637, 3577, 4024, 4026
GASTROSERICUS AMMOCHARES PULAWSKI 1995, 3160
GASTROSERICUS AZYX PULAWSKI 1995, 3160
GASTROSERICUS BAMBARA PULAWSKI 1995, 3160
GASTROSERICUS BAOBABICUS PULAWSKI 1995, 3160
GASTROSERICUS DENTATUS PULAWSKI 1995, 3160
GASTROSERICUS EREMICUS PULAWSKI 1995, 3160
GASTROSERICUS EURYPUS PULAWSKI 1995, 3160
GASTROSERICUS FULANI PULAWSKI 1995, 3160
GASTROSERICUS HERERO PULAWSKI 1995, 3160
GASTROSERICUS HOMBORI PULAWSKI 1995, 3160
GASTROSERICUS INCISUS PULAWSKI 1995, 3160
GASTROSERICUS LEPIDUS PULAWSKI 1995, 3160
GASTROSERICUS LUCIDUS PULAWSKI 1995, 3160
GASTROSERICUS MIRABILIS PULAWSKI 1995, 3160
GASTROSERICUS NAMA PULAWSKI 1995, 3160
GASTROSERICUS PNEPHEROS PULAWSKI 1995, 3160
GASTROSERICUS PRAOS PULAWSKI 1995, 3160
GASTROSERICUS PUNCTATUS PULAWSKI 1995, 3160
GASTROSERICUS SABULOSUS PULAWSKI 1995, 3160
GASTROSERICUS SOBRINUS PULAWSKI 1995, 3160
GASTROSERICUS SYNANDER PULAWSKI 1995, 3160
GASTROSERICUS THOTH PULAWSKI 1995, 3160
GASTROSERICUS TRUNCATUS PULAWSKI 1995, 3160
GASTROSERICUS TUBERCULATUS PULAWSKI 1995, 3160
GASTROSERICUS XANTHOPHILUS PULAWSKI 1995, 3160

GASTROSERICUS ZOYPHION PULAWSKI 1995, 3160
GASTROSERICUS ZYX PULAWSKI 1995, 3160
GASTROTHRIPS AUSTRALIENSIS MOULTON 1968, 2963
GATROPODA:PULMONATA, 3318
GAULTHERIA, 1715, 2226
GAULTHERIA ANGUSTIFOLIA BRANDEGEE 1908, 577
GAULTHERIA KALM EX LINNAEUS 1753, 1479
GAUTIERA MONTICOLA HARKNESS 1884, 1773
GAYENNA ABSOLUTA CHAMBERLIN 1924, 717
GAYENNA APERTA BANKS 1921, 261
GAYENNA CALIFORNICA BANKS 1904, 260
GAYENNA IGNAVA BANKS 1898, 259
GAYENNA MINUTA BANKS 1898, 259
GAYENNA ORIZABA BANKS 1898, 259
GAZETTEER, 2261
GELECHIA ELABORATELLA BRAUN 1923, 579
GELECHIA INTERMEDIA BRAUN 1923, 579
GELIDIOPSIS TENUIS SETCHELL & GARDNER 1924, 3387
GELIDIUM DECOMPOSITUM SETCHELL & GARDNER 1924, 3387
GELIDIUM JOHNSTONII SETCHELL & GARDNER 1924, 3387
GELIDIUM MICROPHYSA SETCHELL & GARDNER 1930, 3388
GELIDIUM OKAMURAI SETCHELL & GARDNER 1937, 3389
GEMMULA ABACTA ANDERSON & HANNA 1925, 51
GEMMULA ENCINALIS ANDERSON & HANNA 1925, 51
GENEA ARENARIA HARKNESS 1899, 1789
GENEA COMPACTA HARKNESS 1899, 1789
GENTIANA COPELANDI EASTWOOD 1931, 1146, 1175
GENTIANA EXIMIA EASTWOOD 1934 [SUB. NAME], 1175
GENTIANA GLAUCA VAR. PAULENSE KELLOGG 1877, 2582
GENTIANA SCEPTRUM VAR. CASCADENSIS PECK 1954, 3095
GENTIANA TIOGANA HELLER 1940, 1816
GENTIANA TORTUOSA JONES 1895, 2326
GEOCHARIDIUS GIMLII ERWIN 1982, 1361
GEOCHARIDIUS PHINEUS ERWIN 1982, 1361
GEOCHARIDIUS ROMEOI ERWIN 1982, 1361
GEOCHARIDUS TAGLIANTII ERWIN 1982, 1361
GEOCORIS SONORAENSIS VAN DUZEE 1923, 3802
GEODETIC DATA, 1010, 1026
GEODETIC SURVEY, 1026
GEOGRAPHICAL DISTRIBUTIONS, 830, 831, 1497
GEOGRAPHIC INDEX, 3950
GEOGRAPHY, 128, 426, 447, 490, 524, 724, 801, 858, 933, 934, 991, 1010, 1025, 1026, 1230, 1339, 1588, 1629, 1704, 1901, 2031, 2670, 2674, 3090, 3898, 3919, 3921, 3922, 3985
GEOLOGICAL SURVEY OF CALIFORNIA, 817, 3377, 3903, 3922
GEOLOGICAL SURVEY OF INDIA, 2696
GEOLOGY, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 76, 92, 93, 126, 127, 128, 134, 325, 412, 419, 422, 425, 430, 431, 432, 435, 437, 440, 447, 448, 450, 453, 454, 455, 456, 458, 460, 464, 465, 466, 468, 490, 585, 724, 741, 742, 764, 765, 766, 836, 837, 838, 839, 859, 934, 945, 956, 1000, 1003, 1008, 1025, 1029, 1037, 1038, 1063, 1062, 1086, 1087, 1099, 1100, 1101, 1102, 1339, 1380, 1381, 1489, 1493, 1520, 1521, 1549, 1560, 1588, 1589, 1590, 1591, 1592, 1695, 1725, 1732, 1736, 1738, 1740, 1749, 1750, 1760, 1770, 1771, 1869, 1873, 2263, 2286, 2287, 2347, 2635, 2670, 2671, 2672, 2698, 2700, 2727, 2728, 2729, 2730, 2731, 2733, 2785, 2786, 2901, 2946, 3018, 3136, 3164, 3173, 3228, 3235, 3239, 3240, 3241, 3315, 3371, 3402, 3403, 3404, 3405, 3464, 3465, 3472, 3544, 3624, 3639, 3679, 3680, 3681, 3682, 3683, 3686, 3687, 3688, 3689, 3690, 3691, 3692, 3697, 3698, 3699, 3700, 3701, 3704, 3714, 3736, 3737, 3827, 3829, 3840, 3858, 3860, 3866, 3867, 3868, 3894, 3897, 3898, 3899, 3900, 3901, 3902, 3903, 3906, 3907, 3908, 3910, 3911, 3912, 3913, 3915, 3916, 3917, 3918, 3921, 3940, 3987, 3988, 4002, 4018
GEOMETROIDEA:NOCTUOIDAE, 1804
GEOMETROIDEA:SPHINGOIDEA, 1804
GEOMORPHOLOGY, 425, 437, 859, 2670
GEOPOLITICS, 3121
GEOPORA BRUNNEOLA HARKNESS 1899, 1789
GEOPORA COOPERI HARKNESS 1885, 1774
GEOPORA HARKNESS 1885, 1774
GEOPORA MAGNATA HARKNESS 1899, 1789
GEOPORA MESENTERICA HARKNESS 1899, 1789
GEORGIA, 1938, 3059, 3413
GEOSPIZA SEPTENTRIONALIS NIGRESCENS SWARTH 1931, 3620
GEOSPIZIDAE, 3618
GEOTOMUS NOCTIVAGUS VAN DUZEE 1923, 3802
GERANIUM, 2067, 3205
GERON ALBA COLE 1923, 785
GERON INSULARIS COLE 1923, 785
GERON NIVEOIDES COLE 1923, 785
GERRHONOTUS SCINCICAUDA VAN DENBURGH 1905, 3756
GERRYACEAE, 971
GERSTAECKERIA GALAPAGOENSIS BARRINGTONENSIS VAN DYKE 1953, 3818
GERSTAECKERIA GALAPAGOENSIS SEYMOURENSIS VAN DYKE 1953, 3818
GERSTAECKERIA GALAPAGOENSIS VAN DYKE 1953, 3818
GFIMBRISTYLIS ARMERIOIDES (MIQ.) BEETLE 1944 [COMB. NOV.], 329
GIBBONS (HENRY), 673
GIBBULA AFFINIS GARRITT 1872, 1508

GIBBULA FILOSA GARRITT 1872, 1508
GIBBULA OPTABILIS CARPENTER 1866, 700
GIBBULA PRASINA GARRITT 1872, 1508
GIBBULA STRIATA GARRITT 1872, 1508
GIBOCERCUS FLAVIPES ROSS 2001, 3308
GIBOCERCUS MAGNUS ROSS 2001, 3308
GIBOCERCUS NAPOA ROSS 2001, 3308
GIBOCERCUS PERUVIANUS ROSS 2001, 3308
GIBOCERCUS SANDRAE ROSS 2001, 3308
GIEBELIA KELLOGG 1896, 2591
GIEBELIA MIRABILIS KELLOGG 1896, 2591
GILA GRANDIS AYRES 1854, 143, 190
GILA MICROLEPIDOTA AYRES 1854, 145, 192
GILBERT (GROVE KARL), 2698
GILBERTINA JORDAN & STARKS 1895, 2342
GILBERTINA SIGULATES JORDAN & STARKS 1895, 2342
GILIA ALPINA EASTWOOD 1940, 1227
GILIA CAPILLARE KELLOGG 1873, 2569
GILIA CONGESTA VAR. NUDA EASTWOOD 1896, 1122
GILIA CONGESTA VAR. PANICULATA JONES 1895, 2327
GILIA (DACTYLOPHYLLUM) HARKNESSII CURRAN 1884, 915
GILIA FLORIBUNDA VAR. ARIDA JONES 1895, 2327
GILIA GLORIOSA BRANDEGEE 1889, 524
GILIA HETERODOXA GREENE 1884, 1633
GILIA HOFFMANNI EASTWOOD 1940, 1227
GILIA HOWARDI JONES 1891, 2320
GILIA LEPTANTHA PARISH 1900, 3075
GILIA LEPTOMERIA VAR. TRIDENTATA JONES 1895, 2327
GILIA LITHOSPERMOIDES BRANDEGEE 1908, 575
GILIA MCVICKERAE JONES 1895, 2326
GILIA MODOCENSIS EASTWOOD 1940, 1227
GILIA PENTSTEMONOIDES JONES 1893, 2323
GILIA RIPLEYI BARNEBY 1942, 271
GILIA SATICOLA EASTWOOD 1943 [NOM. NOV.], 1240
GILIA SCABRA BRANDEGEE 1901, 568
GILIA SPARSIFLORA EASTWOOD 1902, 1141
GILIA SUPERBA EASTWOOD 1893, 1117
GILIA TRIODON EASTWOOD 1893, 1117
GILIA UNCIALIS BRANDEGEE 1901, 565
GILLELLUS CHATHAMENSIS DAWSON 1977, 1040
GILLELLUS SEARCHERI DAWSON 1977, 1040
GILLICHTHYS COOPER 1864, 825
GILLICHTHYS MIRABILIS COOPER 1864, 825
GIPRUS AGRESTIS SAWBRIDGE 1975, 3359
GIPRUS ARENARIUS SAWBRIDGE 1975, 3359
GIPRUS BIDENTATUS SAWBRIDGE 1975, 3359
GIPRUS CAJON SAWBRIDGE 1975, 3359
GIPRUS CALIFORNICUS SAWBRIDGE 1975, 3359
GIPRUS CRASSUS SAWBRIDGE 1975, 3359
GIPRUS DECURVATUS SAWBRIDGE 1975, 3359
GIPRUS DESRTORUM SAWBRIDGE 1975, 3359
GIPRUS ORARIUS SAWBRIDGE 1975, 3359
GIPRUS VASTITATUS SAWBRIDGE 1975, 3359
GIRARDINICHTHYS LIMNURGUS JORDAN & EVERMANN 1927, 2348
GIRELLA FELICIANA CLARK 1938, 756
GIRELLIDAE, 756
GITHOPSIS LATIFOLIUS EASTWOOD 1931, 1146
GLACIERS, 437, 766, 991, 2670, 2672, 3714
GLADIUNCULUS JORDAN & EVERMANN 1927, 2348
GLAEOSPORIUM PTERIDIS HARKNESS 1884, 1773
GLAEOSPORIUM QUERNUM HARKNESS 1884, 1773
GLANIOPSIS GOSSEI ROBERTS 1982, 3275
GLANIOPSIS MULTIRADIATA ROBERTS 1982, 3275
GLENOGLOSSA MCCOSKER 1982, 2858
GLENOGLOSSA WASSI MCCOSKER 1982, 2858
GLENOGNATHA MINUTA BANKS 1898, 259
GLOBANOMALINA HEXENSIS CHURCH 1968, 751
GLOBIGERINA COALINGENSIS CUSHMAN & HANNA 1927, 925
GLORIOPTYCHUS CALLIDUS HANNA 1927, 1734
GLORIOPTYCHUS HANNA 1927, 1734
GLYCEMERIS VERTICORDIA ANDERSON & HANNA 1925, 51
GLYCEMERIS VITICOLA ANDERSON & HANNA 1925, 51
GLYCERIA, 882
GLYCIMERIS MACCRAYI WARING 1917, 3858
GLYCIMERIS RUCKMANI DICKERSON 1915, 1057
GLYCYMERIS CARACOLI ANDERSON 1928, 49
GLYCYMERIS EVERMANNI ANDERSON & HANNA 1925, 51
GLYCYMERIS GUADALUPENSIS STRONG 1938, 3597
GLYCYMERIS INSTABILIS ANDERSON & HANNA 1925, 51
GLYCYMERIS SWARTSI HERLEIN & JORDAN 1927, 1873
GLYCYMERIS USIACURII ANDERSON 1929, 50
GLYMPIS TODDI HAYES 1975, 1804
GLYPHEMBIA AMBERICA ROSS 2003, 3310
GLYPHEMBIA DOMINICANA ROSS 2003, 3310
GLYPHEMBIA GUATEMALAE ROSS 2003, 3310
GLYPHEMBIA ROSS 2003, 3310
GLYPHEMBIA TEAPAE ROSS 2003, 3310
GLYPHOCASSIS TRILINEATA SZECHUANA GRESSITT 1952, 1661
GLYPHODESMUS DRIVERI HANNA & GRANT 1926, 1748
GLYPHODESMUS SIGMOIDENS HANNA & GRANT 1926, 1748
GLYPHODISCUS DUBIOSUS HANNA & BRIGGER 1964, 1744
GNAPHALIUM, 1988, 2115
GNAPHALIUM MICROCEPHALUM VAR. THERMALE (NELS.) CRONQUIST 1950 [COMB. NOV.], 902
GNAPHALIUM NEVADENSE KELLOGG 1873, 2569

GNAPHOSA ABNORMIS BANKS 1898, 259
GNAPHOSA CALIFORNICA BANKS 1904, 260
GNAPHOSA DECEPTA BANKS 1898, 259
GNAPHOSA DISTINCTA BANKS 1898, 259
GNAPHOSA SYNTHETICA CHAMBERLIN 1924, 717
GOBIESOX MUSCARUM MEEK & PIERSON 1895, 2892
GOBIUS GARMANI C.H.EIGENMANN & R.S.EIGEMANN 1888, 1314
GOBIUS HEMIGYMUS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1314
GOBIUS LUCRETIAE C.H.EIGENMANN & R.S.EIGENMANN 1888, 1314
GOBIUS MANGLICOLA JORDAN & STARKS 1895, 2333
GOCHNATIA ARBORESCENS BRANDEGEE 1901, 568
GOCHNATIA PURPUSI BRANDEGEE 1908, 575
GODETIA, 2091
GODETIA LASSENENSIS EASTWOOD 1940, 1227
GODETIA LASSENENSIS VAR. ALBICAULIS (JEPS.) HOWELL 1947 [COMB. NOV.], 2091
GODETIA LASSENENSIS VAR. CONCOLOR (JEPS.) HOWELL 1947 [COMB. NOV.], 2091
GODETIA LASSENENSIS VAR. SONOMENSIS (HITCHC.) HOWELL 1947 [COMB. NOV.], 2091
GOGGIA BAUER & GOOD & BRANCH 1997, 315
GOGOLIA FILEWOODI COMPAGNO 1973, 795
GOLD, 450, 3402, 3900
GOLLUM COMPAGNO 1973, 794
GOLOBOFFIA GRISWOLD & LEDFORD 2001, 1673
GOMPHONEMA EURYCEPHALUS SPAULDING & KOCIOLEK 1998, 3489
GOMPHONEMA EVANESCENS SPAULDING & KOCIOLEK 1998, 3489
GOMPHONEMA KILHAMII KOCIOLEK & STOERMER 1991, 2628
GOMPHONEMA MADAGASCARENSIS SPAULDING & KOCIOLEK 1998, 3489
GOMPHONEMA PADDOCKII KOCIOLEK & STOERMER 1991, 2628
GOMPHONEMA PERACUTUM SPAULDING & KOCIOLEK 1998, 3489
GOMPHONEMA PERINSIGNIS SPAULDING & KOCIOLEK 1998, 3489
GOMPHONEMA PULVILLUM SPAULDING & KOCIOLEK 1998, 3489
GOMPHONEMA QUADRATAREA SPAULDING & KOCIOLEK 1998, 3489
GOMPHONEMA WESTII SPAULDING & KOCIOLEK 1998, 3489
GONIOCOTES CREBER KELLOGG 1896, 2592
GONIOZUS MEXICANUS ASHMEAD 1895, 130
GONIOZUS TEPICENSIS ASHMEAD 1895, 130
GONODIA JOHNSTONII SETCHELL & GARDNER 1924, 3387
GONODIA MARCHANTAE SETCHELL & GARDNER 1924, 3387
GONOLOBUS ALTATENSIS BRANDEGEE 1908, 576
GONOLOBUS XANTHOTRICHUS BRANDEGEE 1908, 577
GONYPODARIA RAMOSA ROBERTSON 1900, 3284
GORDIUS LONGAREOLATUS MONTGOMERY 1898, 2944
GORGASIA THAMANI GREENFIELD & NIESZ 2004, 1653
GORGONIANS, 3470, 3961, 3962, 3965
GOSOTHRIX INSULANUS CHAMBERLIN 1923, 716
GOSSYPIUM DAVIDSONII KELLOGG 1873, 2570
GOSSYPIUM HARKNESSII BRANDEGEE 1889, 524
GRACILARIA CRISPATA SETCHELL & GARDNER 1924, 3387
GRACILARIA JOHNSTONII SETCHELL & GARDNER 1924, 3387
GRACILARIA LACERATA SETCHELL & GARDNER 1924, 3387
GRACILARIA PACHYDERMATICA SETCHELL & GARDNER 1924, 3387
GRACILARIA PINNATA SETCHELL & GARDNER 1924, 3387
GRACILARIA SECUNDATA SETCHELL & GARDNER 1937, 3389
GRACILARIA SINICOLA SETCHELL & GARDNER 1924, 3387
GRACILARIA SUBSECUNDATA SETCHELL & GARDNER 1924, 3387
GRACILARIA VIVIPARA SETCHELL & GARDNER 1924, 3387
GRAFFENRIEDA BELLA ALMEDA 1984, 28
GRAMINACEAE, 1884
GRAMMATOPHORA MERLETTA HANNA & GRANT 1926, 1748
GRAMMITIS MARGARITATA SMITH 1975, 3453
GRAMMONOTA GENTILIS BANKS 1898, 259
GRAMMONOTA NIGRICEPS BANKS 1898, 259
GRAMMOPHORUS GALAPAGOENSIS VAN DYKE 1953, 3818
GRAMPUS STEARNSII DALL 1873, 942
GRANELEDONE PACIFICA VOSS & PEARCY 1990, 3846
GRANULA ACHENA ROTH & COEN 1971, 3319
GRANULA INSULARUM ROTH & COEN 1971, 3319
GRAPSODIUS EXIMIUS HOLMES 1900, 1908
GRASSES, 328, 331, 474, 483, 885, 886, 887, 894, 1890, 2082, 2093, 2194, 2205, 2206, 2209, 2959, 3194, 3199, 3208, 3332
GRASSHOPPERS, 1708, 1808, 2608, 2723, 3230, 3271
GRATIOLA, 224
GRAY (ASA), 1878
GRAYSON (ANDREW JACKSON), 649
GREAT BASIN, 288, 325, 426, 1948, 2795, 2796, 2799, 2886, 3378
GREECE, 758

GREGGELIX HUERTAI MILLER & ROTH 1990, 3452
GRENADIERS, 2278
GRIFFITHIDES ORNATA VOGDES 1895, 3841
GRIMMIACEAE HAMULOSA LESQUEREUX 1868, 2688
GRIMPOTEUTHIS BATHYNECTES VOSS & PEARCY 1990, 3846
GRIMPOTEUTHIS TUFTSI VOSS & PEARCY 1990, 3846
GRINDELIA LATIFOLIA KELLOGG 1873, 2568
GRINDELIA STYLOSA EASTWOOD 1896, 1122
GRYPOLITHAX PAVIDA KELLOGG 1931, 2590
GRYPOTHRIPS ACACIAE MOULTON 1968, 2963
GRYSTES LINEATUS AYRES 1854, 138, 185
GUADALUPE ISLAND, 625, 627, 1636, 1731, 1957, 2246, 2345, 2951, 3575, 3598, 3884
GUADRYINELLA ALMGRENI CHURCH 1968, 751
GUATEMALA, 977, 985, 1325, 1331, 1471, 3366, 3428, 3430, 3431
GUBKINELLA CALIFORNICA CHURCH 1968, 751
GUENTHERIDIA GILBERT & STARKS 1904, 1555
GUIDEBOOK TO COLLECTION, 3861
GUIZOTIA, 2175
GULF OF CALIFORNIA, 233, 234, 235, 236, 237, 740, 2769
GULF OF CALIFORNIA ISLANDS, 24, 307, 405, 406, 579, 714, 715, 716, 719, 774, 775, 785, 786, 1072, 1145, 1417, 1435, 1462, 1728, 1750, 1808, 2313, 2409, 2787, 2806, 2809, 2815, 3037, 3187, 3369, 3417, 3633, 3790, 3791, 3802, 3810, 4014
GULF OF GUINEA, 978, 981, 3115, 3735
GULF OF MEXICO, 2717, 2952
GUNDLACHIA CALIFORNICA ROWELL IN COOPER 1863, 820, 3323
GUNNERA EASTWOODAE ST JOHN 1946, 3350
GUNNERA MAKAHAENSIS ST JOHN 1946, 3350
GUNNERA MOLOKAIENSIS ST.JOHN 1946, 3350
GUPPYA CAPSULA DALL 1926, 953
GUPPYA MONTANICOLA DALL 1926, 953
GUPPYA PERFORATA DALL 1926, 953
GUPPYA SOCORROANA DALL 1926, 953
GUYANA, 1471, 3129
GYALOPION ATAVUS LEVITON & BANTA 1961, 2707
GYMNOGONGRUS CARNOSUS SETCHELL & GARDNER 1924, 3387
GYMNOGONGRUS MARTINENSIS SETCHELL & GARDNER 1937, 3389
GYMNOLOMIA AURICULATA BRANDEGEE 1905, 573
GYMNOLOMIA MULTIFLORA VAR. ANNUA JONES 1895, 2326
GYMNOPTERNUS CALIFORNICUS VAN DUZEE 1920, 3809
GYMNOPTERNUS CONVERGENS VAN DUZEE 1920, 3809
GYMNOSPERMA, 3481
GYMNOSPERMS, 1448, 1662
GYMNOTHORAX BREEDENI MCCOSKER & RANDALL 1977, 2869
GYMNOTHORAX DAVIDSMITHI MCCOSKER & RANDALL 2008, 1542, 2872, 3436
GYMNOTHORAX ENIGMATICUS MCCOSKER & RANDALL 1982, 2870
GYPONA ANNULICORNIS VAN DUZEE 1923, 3802
GYPONA CANDIDA VAN DUZEE 1923, 3802
GYPONA INCITA VAN DUZEE 1923, 3802
GYPONA MONETA VAN DUZEE 1923, 3802
GYRINEUM UVASALIS ANDERSON & HANNA 1925, 51
GYRINUS GALAPAGOENSIS VAN DYKE 1953, 3818
GYRODES COMPRESSUS WARING 1917, 3858
GYRODES ROBUSTUS WARING 1917, 3858
GYRODES SISKIYOUENSIS ANDERSON 1902, 44
GYROIDINA QUADRATA CUSHMAN & CHURCH 1929, 924
GYROIDINA SOLDANII OCTOCAMERATA CUSHMAN & HANNA 1927, 925
HABENARIA, 867, 868, 2299
HABENARIA DILATATA VAR. ALBIFLORA (CHAM.) CORRELL 1943 [COMB. NOV.], 867
HABENARIA MARTIMA EASTWOOD 1901, 1139
HABENARIA MICHAELI GREENE 1885, 1637
HABENARIA SPARSIFLORA VAR. BREVIFOLIA (GREENE) CORRELL 1943 [COMB. NOV.], 867
HABENARIA SPARSIFLORA VAR. LAXIFLORA (RYDB.) CORRELL 1943 [COMB. NOV.], 867
HABENARIA UNALASCENSIS VAR. ELATA (JEPSON) CORRELL 1943 [COMB. NOV.], 867
HABENARIA UNALASCENSIS VAR. MARITIMA (GREENE) CORRELL 1943 [COMB. NOV.], 867
HACKELIA AMETHYSTINA HOWELL IN EASTWOOD 1942, 1235
HACKELIA PATENS VAR. SEMIGLABRA CRONQUIST 1963, 906
HADRONEMA ALBESCENS VAN DUZEE 1918, 3796
HADRONEMA DECORATA UHLER 1894, 3728
HADRONEMA INFANS VAN DUZEE 1918, 3796
HADRONEMA ROBUSTA UHLER 1894, 3728
HADRURUS ARIZONENSIS AUSTRIUS WILLIAMS 1970, 3976
HADRURUS OBSCURUS WILLIAMS 1970, 3976
HAECKEL (ERNST), 1524
HAEMAGREGARINA NASUTA EISEN 1895, 1338
HAEMODRACON BAUER & GOOD & BRANCH 1997, 315
HAEMULON MOWBRAYI JORDAN & EVERMANN 1927, 2348
HAITI, 1471
HALENIA PURPUSI BRANDEGEE 1908, 575
HALESIDOTA DAVISII EDWARDS 1874, 1284
HALGERDA, 1613
HALGERDA ALBOCRISTATA GOSLINER & FAHEY

1998, 1613
HALGERDA BACALUSIA FAHEEY & GOSLINER 1999, 1411
HALGERDA DALANGHITA FAHEY & GOSLINER 1999, 1410
HALGERDA DIAPHANA FAHEEY & GOSLINER 1999, 1411
HALGERDA DICHROMIS FAHEY & GOSLINER 1999, 1410
HALGERDA STRICKLANDI FAHEEY & GOSLINER 1999, 1411
HALGERDA TOLIARA FAHEY & GOSLINER 1999, 1410
HALGERDIDAE, 1411
HALIAS AYRES 1860, 170
HALIAS MARGINATUS (AYRES 1854), 170
HALICHAERES MACGREGORI GILBERT & STARKS 1904, 1555
HALICTOIDES HOLOCYANEUS COCKERELL 1925, 776
HALICTOIDES SPILURUS COCKERELL 1925, 776
HALICTUS ASPILURUS COCKERELL 1925, 776
HALICTUS CHIONOCEPHALUS SANDHOUSE & COCKERELL 1924, 3355
HALICTUS PAVONOTUS COCKERELL 1925, 776
HALICTUS VANDUZEEI SANDHOUSE & COCKERELL 1924, 3355
HALIOTIS LOMAENSIS ANDERSON 1902, 44
HALMENUS ESCHATUS HEBARD 1919, 1806
HALOBATRACHUS, 791
HALOGETON, 2133, 2953
HALORAGIDACEAE:GUNNERA, 3350
HALORHIPIS SAUNDERS 1898, 3357
HAMATALIWA POSITIVA CHAMBERLIN 1924, 717
HAMINOEA ANGELENSIS BAKER & HANNA 1927, 233
HAMINOEA STRONGI BAKER & HANNA 1927, 233
HAMITES ARMATUS ANDERSON 1902, 44
HAMITES ELLIPTICUS ANDERSON 1902, 44
HAMITES PHOENIXENSIS ANDERSON 1902, 44
HAMITES SOLANOENSE ANDERSON 1902, 44
HANDBOOK, 2713, 2853, 2945
HANLEYA SPICATA BERRY 1919, 395
HANNA (G DALLAS), 2927
HANNAITES MANDRA 1969, 2818
HANNAITES QUADRIA MANDRA 1969, 2818
HAPLOPAPPUS, 2204
HAPLOPHRAGMOIDES COALINGENSIS CUSHMAN & HANNA 1927, 925
HAPLOTREMA COSTATUM SMITH 1957, 3441
HAPLOTREMA GUADALUPENSIS PILSBRY 1927, 3120
HARKNESS (HARVEY WILLSON), 73
HARKNESSIA LONGIPES HARKNESS 1884, 1773
HARMOSTES ANGUSTATUS VAN DUZEE 1918, 3796
HARMOTHOE CRASSICIRRATA JOHNSON 1897, 2307
HARMOTHOË ADVENTOR SKOGSBERG 1928, 3411
HARMOTHOE HIRSUTA JOHNSON 1897, 2307
HARMSTON (FRED CARL), 2251
HARPALYCE FERRUGINEA BRANDEGEE 1908, 575
HARTOMYIA MALLOCHI COLE 1921, 789
HARTWEG (THEODOR), 79
HIATODORIS DAYRAT 2010, 4047
HAUERICERAS TRANSITIONALE WARING 1917, 3858
HAWAII, 432, 662, 1374, 1504, 1507, 2298, 2339, 3000, 3350, 3485, 3487
HAWAIIAN ISLANDS, 1505, 1506, 1654, 2267, 2334, 2565, 3004, 3376
HEBECNEMA HUMERALIS COURI & PONT & PENNY 2006, 875
HEDEOMA PURPUREA KELLOGG 1873, 2569
HEDEOMA TENUIFLORA BRANDEGEE 1908, 577
HEDOPHYLLUM SESSILE SETCHELL 1901, 3383
HEDOPHYLLUM SUBSESSILE SETCHELL 1901, 3383
HEDYSOMUS QUADRICEPS ASHMEAD 1895, 130
HELEOCHLOA, 3200
HELIANTHELIA CANNONAE EASTWOOD 1900, 1134
HELIANTHELLA NEVADENSIS GREENE 1885, 1634
HELIANTHEMUM, 2160
HELIANTHEMUM NUTANS BRANDEGEE 1889, 524
HELIANTHEMUM OCCIDENTALE GREENE 1886, 1641
HELIANTHUS GIGANTEUS VAR. INSULUS KELLOGG 1873, 2567
HELICINA OCHSNERI DALL 1917, 952
HELICODISCUS LINEATUS SONORENSIS COOPER 1893, 857
HELICOLENUS AVIUS ABE & ESCHMEYER 1972, 2
HELINA CARPIAE COURI & PONT & PENNY 2006, 875
HELINA FLAVOMACULATA DIFFERA COURI & PONT & PENNY 2006, 875
HELINA FUSCOMARGINATA MALLOCH 1919, 2814
HELINA GRISELLA COURI & PONT & PENNY 2006, 875
HELINA PLATYKARENOS HUCKETT 1966, 2248
HELINA POLYCHAETA HUCKETT 1966, 2248
HELIOCARPUS GLABER BRANDEGEE 1905, 573
HELIOFUGUS BARROSI FREUDE 1960, 1472
HELIOFUGUS BIOBIOENSIS FREUDE 1960, 1472
HELIOFUGUS COLASI FREUDE 1960, 1472
HELIOFUGUS COQUIMBOENSIS FREUDE 1960, 1472
HELIOFUGUS CRYPTOCEPHALUS CURICOENSIS FREUDE 1960, 1472
HELIOFUGUS FAIRMAIREI FREUDE 1960, 1472
HELIOFUGUS GERMAINI FREUDE 1960, 1472
HELIOFUGUS KUSCHELI FREUDE 1960, 1472
HELIOFUGUS LEECHI FREUDE 1960, 1472
HELIOFUGUS LEECHI MAULENSIS FREUDE 1960, 1472
HELIOFUGUS NEUQUENI FREUDE 1960, 1472

HELIOFUGUS PENAI OHIGGINSI FREUDE 1960, 1472
HELIOFUGUS PENAI PENAI FREUDE 1960, 1472
HELIOFUGUS PROXIMOIDES FREUDE 1960, 1472
HELIOFUGUS QUILLOTAENSIS FREUDE 1960, 1472
HELIOFUGUS ROSSI FREUDE 1960, 1472
HELIOFUGUS SULCIPENNIS FREUDE 1960, 1472
HELIOFUGUS VENTRIOSUS FREUDE 1960, 1472
HELIOTHIS CROTCHII EDWARDS 1875, 1288
HELIOTROPUIM SAXATILE BRANDEGEE 1905, 573
HELIOTRPIUM CALIFORNICUM GREENE 1885, 1636
HELIX AREOLATA EXANIMATA COOPER 1892, 855
HELIX (ARIANTA) SEQUOICOLA COOPER 1866, 826
HELIX (ARIONTA) ARROSA VAR. STIVERSIANA COOPER 1875, 841
HELIX AYRESIANA NEWCOMB 1861, 3001, 3522
HELIX BLAKEANA NEWCOMB 1865, 3004
HELIX BREWERI NEWCOMB 1864, 3002
HELIX BRIDGESII NEWCOMB 1861, 3000
HELIX CARPENTERI NEWCOMB 1861, 3001
HELIX CREBRI-STRIATA NEWCOMB 1864, 3002
HELIX CRONKHITEI NEWCOMB 1865, 3004
HELIX DECLIVIS NEWCOMB 1865, 3004
HELIX FACTA NEWCOMB 1864, 3002
HELIX GABBII NEWCOMB 1864, 3002
HELIX HILLEBRANDI NEWCOMB 1864, 3002, 3004
HELIX ROWELLI NEWCOMB 1865, 3004
HELIX RUFOCINCTA NEWCOMB 1864, 3002
HELIX TRASKII NEWCOMB 1861, 3000
HELIX TRYONI NEWCOMB 1864, 3002
HELIX WHITNEYI NEWCOMB 1864, 3002
HELMINTHOGLYPTA BERRYI HANNA 1929, 1735
HELMINTHOGLYPTA BOZEMANENSIS ROTH 1986, 3318
HELMINTHOGLYPTA HANNAI DIODON PILSBRY 1927, 3120
HELMINTHOGLYPTA HANNAI PILSBRY 1927, 3120
HELMINTHOGLYPTA OBTUSA ANDERSON & HANNA 1925, 51
HELMINTHOPHAGA LUCIAE COOPER 1861, 817
HELMINTHOPSIS SOKOLI HANNA & BRIGGER 1964, 1744
HELOPS PINGUIS HORN 1894, 1935
HELOPS SPARSUS BLAISDELL 1943, 410
HEMARIS CYNOGLOSSUM EDWARDS 1875, 1289
HEMARIS RUBENS EDWARDS 1875, 1289
HEMIBAGRUS IMBRIFER NG & FERRARIS 2000, 3006
HEMIBAGRUS VARIEGATUS NG & FERRARIS 2000, 3006
HEMIDACTYLUS AQUILONIUS MCMAHAN & ZUG 2007, 2885
HEMIDACTYLUS THAYENE ZUG & MCMAHAN 2007, 2885
HEMIDISCUS NIVEUS HANNA & GRANT 1926, 1748
HEMIDISCUS SIMPLICISSIMUS HANNA & GRANT 1926, 1748
HEMIFUSCUS VOLUTAEFORMIS DICKERSON 1915, 1057
HEMIPSILICHTHYS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
HEMIPTERA, 1759, 2631, 2737, 3382, 3728, 3734, 3794, 3795, 3796, 3797, 3798, 3802, 3804
HEMIPTERA:ARADUS, 3797
HEMIPTERA:CAMPTOBROCHYS, 3797
HEMIPTERA:CICADELLIDAE, 3807
HEMIPTERA:GASTRODES, 3733
HEMIPTERA:HETEROPTERA, 132, 495, 2632, 3806, 3807
HEMIPTERA:HOMOPTERA, 1375, 3806
HEMIPTERA:PHYTOCORIS, 3797
HEMIPTERA:REDUVIIDAE, 3807
HEMIPTERA:STRONGYLOCORIS, 3799
HEMIPTYCHUS ESTRIATUS HORN 1894, 1935
HEMIPTYCHUS INTEGER HALL 1901, 1718
HEMIPTYCHUS LUTEOTECTUS HALL 1901, 1718
HEMIPTYCHUS PALLIATUS HALL 1901, 1718
HEMIRHAMPHUS SALTATOR GILBERT & STARKS 1904, 1555
HEMITELIA WATHERBYANA MORTON 1957, 2956
HEMITRIPTERUS MARMORATUS AYRES 1854, 135, 182
HEMIZANIA LUZULAEFOLIA VAR. FRAGARIOIDES KELLOGG 1860, 2482
HEMIZONELLA, 246
HEMIZONIA BALSAMIFERA KELLOGG 1860, 2480
HEMIZONIA SECIOSA CONGDON 1901, 807
HENCHERA RUBESCENS VAR. GLANDULOSA KELLOGG 1873, 2569
HENRYA COSTATA VAR. GLANDULOSA BRANDEGEE 1901, 568
HENRY (JOSEPH), 3551
HEPATICAE, 757, 1377, 1378, 1945, 3731
HEPTACARPUS HOLMES 1900, 1908
HEPTACARPUS PALUDICOLA HOLMES 1900, 1908
HEPTACARPUS TENUISSIMUS HOLMES 1900, 1908
HEPTACCARPUS CARINATUS HOLMES 1900, 1908
HEPTANCHIAS DEANI JORDAN & SNYDER 1900, 2344
HERALDIA NOCTURNA PAXTON 1975, 3087
HERALDIA PAXTON 1975, 3087
HERCOSTOMUS PROCERUS WHEELER 1899, 3889
HERINGIA CANADENSIS CURRAN 1921, 912
HERINGIA COMUTATA CURRAN 1921, 912
HERINGIA INTENSICA CURRAN 1921, 912
HERMAEA ORNATA MACFARLAND 1966, 2789
HERMAEINA OLIVIAE MACFARLAND 1966, 2789
HERMETIA EISENI TOWNSEND 1895, 3674
HERMIDIUM, 273
HEROCOSTOMUS IMPUDICUS WHEELER 1899, 3889
HERPESTIS (MERCADONIA) EXILIS BRANDEGEE 1889, 524
HERPETOLOGY, 15, 61, 62, 63, 64, 65, 66, 67, 255, 265,

266, 313, 314, 315, 316, 317, 318, 319, 320, 352, 487, 488, 598, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 623, 661, 669, 695, 758, 760, 759, 761, 817, 911, 1068, 1072, 1078, 1079, 1080, 1081, 1082, 1095, 1342, 1501, 1502, 1512, 1515, 1559, 1567, 1571, 1644, 1713, 1813, 2257, 2293, 2689, 2690, 2691, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2712, 2713, 2752, 2816, 2833, 2885, 2922, 2923, 2924, 2925, 2926, 2939, 2964, 2983, 2984, 2985, 3053, 3054, 3055, 3059, 3111, 3185, 3186, 3254, 3261, 3348, 3358, 3366, 3367, 3372, 3418, 3419, 3420, 3421, 3422, 3423, 3425, 3427, 3428, 3429, 3430, 3431, 3432, 3433, 3435, 3615, 3623, 3652, 3735, 3744, 3745, 3746, 3747, 3748, 3749, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 3757, 3758, 3759, 3760, 3761, 3762, 3763, 3764, 3765, 3766, 3767, 3768, 3769, 3770, 3771, 3772, 3773, 3774, 3775, 3776, 3777, 3778, 3779, 3780, 3781, 3782, 3783, 3784, 3785, 3787, 3788, 3789, 3790, 3791, 3792, 3786, 3793, 3826, 3834, 3845, 3878, 3936, 3938, 3994, 3995, 3999, 4032, 4033, 4034
HERPYLLUS ANGUSTUS BANKS 1904, 260
HESPERANTHES ALBOMARGINATA JONES 1891, 2320
HESPERAPIS LEUCURA COCKERELL 1924, 775
HESPERAPIS MACROCEPHALA COCKERELL 1924, 775
HESPERAPIS PELLUCIDUS COCKERELL 1925, 776
HESPEROBIUM CASEY 1886, 709
HESPEROCHRON LATIFOLIA KELLOGG 1873, 2569
HESPEROLEON PENINSULANUS BANKS 1942, 262
HETCH-HETCHY VALLEY, 1901
HETERACTAEA LOCKINGTON 1877, 2758
HETERACTAEA PILOSUS LOCKINGTON 1877, 2758
HETEROCAMPA CONSPECTA EDWARDS 1874, 1284
HETEROCERAS CERATOPSE ANDERSON 1902, 44
HETEROCHEYLUS BECKI SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS BENGALENSIS SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS BREVISPINUS SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS CAVAGNAROI SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS EXIGUUS SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS INCOHATUS SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS INDICUS SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS KEIFERI SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS LAUI SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS LONGISPINOSUS SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS MAAI SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS MALKINI SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS MINUS SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS NIXUS SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS NOVELLUS SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS PARVUS SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS PROPINQUUS SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS PROXIMUS SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS RECESSUS SCHUSTER & LAVIOPIERRE 1970, 3374
HETEROCHEYLUS RUGOSUS SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCHEYLUS THAI SCHUSTER LAVOIPIERRE 1970, 3374
HETEROCHEYLUS TRANSVERSUS SCHUSTER & LAVOIPIERRE 1970, 3374
HETEROCODON MINIMUM KELLOGG 1877, 2581
HETERODRABA GREENE 1885, 1634
HETEROMYSIS SPINOSUS HOLMES 1900, 1908
HETEROPALE BELLIS JOHNSON 1897, 2307
HETEROPALE JOHNSON 1897, 2307
HETEROPAUSSUS ROSSI LUNA DE CARVALHO 1968, 705
HETEROPRIACANTHUS FITCH & CROOKE 1984, 1447
HETEROPTERA, 2631
HETEROPTERA:MIRIDAE, 706
HETEROPTERA:NABIDAE, 2601
HETEROPTERIS ARBORESCENS BRANDEGEE 1905, 573
HETEROSIPHONIA SINICOLA SETCHELL & GARDNER 1924, 3387
HETEROSPORIUM ABRONIAE HARKNESS 1884, 1773
HETEROSPORIUM ESCHSCHOLTZIAE HARKNESS 1884, 1773
HETEROTERMES PALLIDUS LIGHT 1935, 2720
HETEROTHOPS CARBONATUS HALL 1901, 1718
HETEROTHOPS EXILIS CASEY 1886, 710
HETEROTOMA AURITA BRANDEGEE 1891, 541
HEUCHERA CAESPITOSA EASTWOOD 1896, 1123
HEUCHERA CALIFORNICA KELLOGG 1873, 2569
HEUCHERA MAXIMA GREENE 1886, 1641
HEWSTON (GEORGE), 1895
HEXAGRAMMUS OTAKII JORDAN & STARKS 1895, 2342
HEXAPLASTA CALIFORNICA ASHMEAD 1895, 130
HIBISCUS, 2378, 2665
HIBISCUS CALIFORNICUS KELLOGG 1873, 2566

HIBISCUS HITCHCOCKII ULBRICH IN KEARNEY 1955, 2377
HIBISCUS VIOLACEUS BRANDEGEE 1905, 573
HIERACIUM, 899, 3027
HIERACIUM BRANDEGEI GREENE 1885, 1636
HIERACIUM OCCIDNETALE EASTWOOD 1931, 1146
HILDEBRANDIA JORDAN & EVERMANN 1927, 2348
HIPPELATES MATEMA CURRAN 1936, 914
HIPPELATES TENUIFACIES CURRAN 1936, 914
HIPPOBOSCIDAE, 391
HIPPOGLOSSUS CALIFORNICUS AYRES 1859, 169, 171
HIPPOLYTE CALIFORNIENSIS HOLMES 1895, 1906
HIPPOLYTE? HEMPHILLII LOCKINGTON 1877, 2750
HIPPOLYTE LINEATA LOCKINGTON 1877, 2750
HIPPOMELAS GRANULATUS VAN DYKE 1942, 3817
HIPPOMELAS INYOENSIS VAN DYKE 1942, 3817
HIPPONIX-MINOR GARRETT 1857, 1504, 1507
HIPPOSYNGNATHUS IMPORCITOR FRITZSCHE 1980, 1480
HIPPOTHOA AMABILIS TRASK 1857, 3685, 3703
HISONOTUS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
HISONOTUS NOTATUS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
HISPIDOPHILA VIGGIANI 1968, 1075
HISTER SIMPLICIPES HALL 1901, 1718
HISTORICAL, 16, 18, 20, 19, 23, 72, 97, 99, 102, 114, 121, 219, 263, 267, 537, 600, 601, 602, 688, 702, 928, 975, 1027, 1042, 1043, 1064, 1085, 1089, 1206, 1229, 1230, 1248, 1253, 1269, 1270, 1325, 1339, 1341, 1358, 1359, 1379, 1402, 1404, 1527, 1528, 1529, 1549, 1625, 1839, 1899, 1990, 1996, 1999, 2002, 2003, 2005, 2009, 2012, 2013, 2015, 2043, 2148, 2153, 2158, 2167, 2179, 2182, 2208, 2210, 2220, 2221, 2284, 2290, 2329, 2387, 2605, 2652, 2662, 2692, 2693, 2698, 2699, 2700, 2711, 2743, 2744, 2837, 2847, 2849, 2865, 2876, 2969, 2979, 3018, 3111, 3139, 3375, 3434, 3474, 3737, 3821, 3838, 3840, 3871, 3903, 3950, 3957
HISTORICAL GEOLOGY, 2700, 3869
HISTORY OF EXPLORATION, 1990, 2013, 2837
HISTORY OF INSTITUTIONS, 19, 26, 267, 975, 1106, 1359, 1418, 1834, 2284, 2355, 2622, 2629, 2697, 2700, 2742, 2865, 3175, 3215, 3352, 3395, 3957, 4023
HISTORY OF SCIENCE, 16, 20, 19, 23, 219, 229, 326, 399, 473, 581, 595, 621, 696, 697, 707, 811, 876, 1275, 1358, 1404, 1422, 1433, 1434, 1448, 1450, 1456, 1522, 1523, 1524, 1526, 1531, 1534, 1535, 1536, 1563, 1573, 1612, 1663, 1677, 1678, 1704, 1707, 1724, 1800, 1833, 1903, 1904, 1940, 2250, 2297, 2630, 2660, 2661, 2686, 2693, 2694, 2696, 2697, 2719, 2768, 2822, 2856, 2867, 2905, 2911, 2937, 3016, 3018, 3052, 3111, 3121, 3123, 3124, 3125, 3126, 3224, 3301, 3302, 3314, 3367, 3368, 3401, 3408, 3434, 3467, 3483, 3559, 3625, 3734, 3736, 3737, 3819, 3836, 3837, 3849, 3869, 3954, 3989, 4022
HOFFMANNSEGGIA INTRICATA BRANDEGEE 1889, 524
HOFMEISTERIA FILIFOLIA JOHNSTON 1924, 2313
HOLOGRAPHIS CAPUT-MEDUSAE DANIEL 1988, 958
HOLOGRAPHIS ILICIFOLIA BRANDEGEE 1908, 575
HOLOGRAPHIS LETICIANA DANIEL 1988, 958
HOLOGRAPHIS TOLANTONGENSIS DANIEL 1988, 958
HOLOLEPTA NEGLECTA BLAISDELL 1893, 404
HOLOLEPTA PERVALIDA BLAISDELL 1893, 404
HOLOPAGURUS HOLMES 1900, 1908
HOLOPAGURUS PILOSUS HOLMES 1900, 1908
HOLOSPIRA AGUERREVEREI HANNA & HERTLEIN 1929, 1751
HOMALIUM ALGARUM CASEY 1885, 708
HOMALIUM RUGIPENNE CASEY 1885, 708
HOMALONYCHUS POSITIVUS CHAMBERLIN 1924, 717
HOMALONYCHUS THEOLOGUS CHAMBERLIN 1924, 717
HOMONEURA ANUDA CURRAN 1936, 914
HOMONEURA CROCKERI CURRAN 1936, 914
HOMONEURA SIKAIANA CURRAN 1936, 914
HOMONEURA WHITNEYI CURRAN 1936, 914
HOMOPTERA, 1424, 2737, 2905, 3803
HOMOPTERA:CICADELLIDAE, 3359, 3835
HOMOPTERA:COCCOIDEA, 1434
HONDURAS, 1471
HOOKERA FILIFOLIA GREENE 1886, 1641
HOOKERA ORCUTTII GREENE 1886, 1641
HOOKERA ROSEA GREENE 1886, 1641
HOOKERA STELLARIS GREENE 1886, 1641
HOOKERA TERRESTRIS GREENE 1886, 1641
HOPLOCEPHALOPSIS ROSSI ZUMPT 1967, 4045
HOPLODORIS ESTRELYADO GOSLINER & BEHRENS 1998, 1607
HOPLODORIS FLAMMEA FAHEY & GOSLINER 2003, 1412
HORIOPLEURA GREGARIA PALMER 1928, 3050
HORISTONOTUS FLAVIDUS HALL 1901, 1718
HORISTONOTUS LUTZI VAN DYKE 1932, 3816
HORISTONOTUS UMBILICATUS VAN DYKE 1932, 3816
HORKELIA KELLOGGII GREENE 1887, 1642
HORKELIA PARRYI GREENE 1887, 1642
HORMIUS ALBIPES ASHMEAD 1895, 130
HORODISCUS HANNA 1927, 1734
HORODISCUS MACROSCRIPTUS HANNA 1927, 1734
HORODROMUS ABSOLUTUS CHAMBERLIN 1924, 717
HORODROMUS CHAMBERLIN 1924, 717
HORSFORDIA PURISIMAE BRANDEGEE 1889, 524
HORTICULTURE, 1341
HOSACKIA ARGENTEA KELLOGG 1863, 2514
HOSACKIA ARGYRAEA GREENE 1885, 1636
HOSACKIA BALSAMIFERA KELLOGG 1861, 2494
HOSACKIA BRYANTI BRANDEGEE 1889, 524

HOSACKIA DISTICHA GREENE 1885, 1636
HOSACKIA FLEXUOSA GREENE 1885, 1634
HOSACKIA MACRANTHA GREENE 1885, 1634
HOSACKIA MACROPHYLLA KELLOGG 1861, 2492
HOSACKIA MOLLIS GREENE 1885, 1636
HOSACKIA? OCCULTA GREENE 1887, 1642
HOSACKIA ORNITHOPUS GREENE 1885, 1636
HOSACKIA PLEBEIA BRANDEGEE 1889, 524
HOSACKIA PROCUMBENS GREENE 1885, 1634
HOSACKIA RIGIDA VAR. NUMMULARIA JONES 1895, 2326
HOSACKIA ROSEA EASTWOOD 1896, 1123
HOSACKIA VEATCHII GREENE 1885, 1634
HOSACKIA VENUSTA EASTWOOD 1898, 1125
HOT SPRINGS, 418, 420, 421, 422, 583, 1840, 2655, 2657
HOUSTONIA GRACILENTA JOHNSTON 1924, 2313
HOUSTONIA GRACILIS BRANDEGEE 1908, 575
HOUSTONIA PARVULA BRANDEGEE 1905, 573
HOUSTONIA PENINSULARIS BRANDEGEE 1901, 568
HOUSTONIA PROSTRATA BRANDEGEE 1901, 565
HOUSTONIA SAXICOLA EASTWOOD 1896, 1122
HOWELLIELLA, 3716
HOWELL (JOHN THOMAS), 2210
HPPOGLOSSINA STOMATA C.H.EIGENMANN & R.S.EIGENMANN 1890, 1320
HUDSONIUS ALETES JORDAN & EVERMANN 1927, 2348
HULSEA, 2028
HUMAN IMPACTS, 1308, 2868, 2882
HUMAN MIGRATION, 1069, 1346, 1356, 2280, 2894, 2904, 3008, 3294, 3509, 3557, 3715
HUNGARY, 2635
HYALODISCUS FRENGUELLII HANNA 1932, 1737
HYALYMENUS SUBINERMIS VAN DUZEE 1923, 3802
HYBOMITRA, 752, 2654, 2794, 3641
HYBRIDIZATION, 2024, 2027, 2151, 2156, 3855
HYDNANGIUM ALBUM HARKNESS 1899, 1789
HYDNANGIUM COMPACTUM HARKNESS 1899, 1789
HYDNANGIUM LUTEOLUM HARKNESS 1899, 1789
HYDNOBOLITES EXCAVATUM HARKNESS 1899, 1789
HYDNOCERA OMOGERA HORN 1894, 1935
HYDNOCYSTIS COMPACTA HARKNESS 1899, 1789
HYDNOTRYA CEREBRIFORMIS HARKNESS 1899, 1789
HYDROCHARIS RICKSECKERI HORN 1895, 1936
HYDROCOLEUM CODICOLA SETCHELL & GARDNER 1924, 3387
HYDROCOTYLE PROLIFERA 1854 KELLOGG, 2413
HYDROCOTYLE PROLIFERA KELLOGG 1854, 2524
HYDROGRAPHY, 2784, 2785, 2786, 3959
HYDROLOGY, 736
HYDROMEDUSAE:POLYORCHIDAE, 3415
HYDROMORPHUS DUNNI SLEVIN 1942, 3432
HYDROPHORIA PILIPYGA HUCKETT 1966, 2248
HYDROPHORIA ROTUNDATA HUCKETT 1966, 2248
HYDROPHORIA SETICAUDA MALLOCH 1919, 2814
HYDROPHORUS AGALMA WHEELER 1899, 3889
HYDROPHORUS ALGENS WHEELER 1899, 3889
HYDROPHORUS ELDORADENSIS WHEELER 1899, 3889
HYDROPHORUS FUMIPENNIS VAN DUZEE 1921, 1759
HYDROPHORUS MAGDALENAE WHEELER 1899, 3889
HYDROPHORUS SODALIS WHEELER 1899, 3889
HYDROTAEA BELLA COURI & PONT & PENNY 2006, 875
HYDROTAEA LASIOPHTHALMA MALLOCH 1919, 2814
HYGROCELEUTHUS ALDRICHII WHEELER 1899, 3889
HYGROCELEUTHUS CONSANGUINEUS WHEELER 1899, 3889
HYGROTUS DIVERSIPES LEECH 1966, 2682
HYGROTUS FONTINALIS LEECH 1966, 2682
HYLAEUS GIFFARDIELLUS COCKERELL 1925, 776
HYLAEUS SONRENSIS COCKERELL 1924, 775
HYLA HALLOELLI VAN DENBURGH 1912, 3767
HYLA REGILLA CASCADAE JAMESON & MACKEY & RICHMOND 1966, 2293
HYLA REGILLA DESERTICOLA JAMESON & MAKKEY & RICHMOND 1966, 2293
HYLA REGILLA PACIFICA JAMESON & MACKEY & RICHMOND 1966, 2293
HYLA REGILLA PALOUSE JAMESON & MACKEY & RICHMOND 1966, 2293
HYLEMYA CONCORDA HUCKETT 1966, 2248
HYLEMYA CONSOLATA HUCKETT 1966, 2248
HYLEMYA FULVESCENS HUCKETT 1966, 2248
HYLEMYA INTIMATA HUCKETT 1966, 2248
HYLEMYA NUBILALIS HUCKETT 1966, 2248
HYLEMYA PRAEFECTA HUCKETT 1966, 2248
HYLEMYA PSEUDOSPINIDENS HUCKETT 1966, 2248
HYLEMYA SALUTARIS HUCKETT 1966, 2248
HYLEMYA SODALIS HUCKETT 1966, 2248
HYLEMYA SPERATA HUCKETT 1966, 2248
HYLEMYA SUBURBANA HUCKETT 1966, 2248
HYLEMYIA EXTREMITATA MALLOCH 1919, 2814
HYLEMYIA NORMALIS MALLOCH 1919, 2814
HYLEMYIA RECURVA MALLOCH 1919, 2814
HYLIDAE, 255, 2293
HYLOCRINUS INSULARIS BLAISDELL 1923, 405
HYLOCRINUS MAGNUS BLAISDELL 1923, 405
HYLOTOMA POECILOIDES ASHMEAD 1895, 130
HYMENANTHES MACROPHYLLA (DON) COPELAND 1948 [COMB. NOV.], 864
HYMENANTHES MACROPHYLLA FORMA ALBA (REHDER) COPELAND 1948 [COMB. NOV.], 864
HYMENATHERUM AURANTIACUM BRANDEGEE 1908, 577
HYMENOCEPHALUS SEMIPELLUCIDUS SAZONOV

& IWAMOTO 1992, 3361
HYMENOGASTER CANDIDUS HARKNESS 1899, 1789
HYMENOGASTER CAUDATUS HARKNESS 1899, 1789
HYMENOGASTER GLOBOSUS HARKNESS 1899, 1789
HYMENOGASTER RUBER HARKNESS 1899, 1789
HYMENOGASTER SETCHELII HARKNESS 1899, 1789
HYMENOGASTER UTRICULATUS HARKNESS 1899, 1789
HYMENOGASTER VERSICOLOR HARKNESS 1899, 1789
HYMENOPAPPUS NEVADENSIS KELLOGG 1873, 2569
HYMENOPTERA, 129, 775, 776, 777, 778, 779, 1463, 1464, 1465, 1466, 2737, 3355, 3382
HYMENOPTERA:ANDRENIDAE, 2735, 4027
HYMENOPTERA:ANTHOPHORIDAE, 4028
HYMENOPTERA:APIDAE, 1355
HYMENOPTERA:APOIDEA, 2761, 3658
HYMENOPTERA:BREMIDAE, 1475, 1759
HYMENOPTERA:CHALCIDOIDEA, 1075, 3013
HYMENOPTERA:CRABRONIDAE, 2761, 3162, 3163
HYMENOPTERA:EUMENINAE, 472
HYMENOPTERA:FORMICIDAE, 1439, 1441, 1442, 1876, 2659
HYMENOPTERA:ICHNEUMONOIDEA, 3012
HYMENOPTERA:SCLERODERMA, 622
HYMENOPTERA:SPHECIDAE, 3156, 3157, 3158, 3159, 3160, 3945, 3946
HYMENORUS PLANULUS HORN 1894, 1935
HYMENORUS SPINIFER HORN 1894, 1935
HYMENOXYS, 3079
HYMENOXYS CABRERAE PARKER 1961, 3079
HYMENOXYS IVESIANA (GREENE) PARKER 1960 [COMB. NOV.], 3078
HYMENOXYS ROBUSTA (RUSBY) PARKER 1961 [COMB. NOV.], 3079
HYMENULA ACICULOSA ELLLIS & HARKNESS 1884, 1347
HYNNIS HOPKINSI JORDAN & STARKS 1895, 2333
HYNOBIIDAE, 1095
HYNOBIUS BICOLOR DUNN 1923, 1095
HYNOBIUS IKISHIMAE DUNN 1923, 1095
HYNOBIUS KIMURAE DUNN 1923, 1095
HYNOBIUS RETARDATUS DUNN 1923, 1095
HYNOBIUS STEJNEGERI DUNN 1923, 1095
HYNOBIUS TAGOI DUNN 1923, 1095
HYNOBIUS VANDENBURGHI DUNN 1923, 1095
HYPENA MICROFULIGINEA HAYES 1975, 1804
HYPERASPIS SPICULINOTA HALL 1901, 1718
HYPERGASTROMYZON HUMILIS ROBERTS 1989, 3279
HYPERICUM BRACTEATUM KELLOGG 1855, 2445, 2556
HYPERICUM EASTWOODIANUM JOHNSTON 1931, 2314
HYPERICUM PENINSULARE EASTWOOD 1943, 1245
HYPEROLIIDAE, 1080
HYPEROLIUS ORKARKARRI DREWES 1997, 1080
HYPLEUROCHILUS SAMOENSIS SEALE 1935, 3380
HYPNEA EVERMANNII SETCHELL & GARDNER 1930, 3388
HYPNEA JOHNSTONII SETCHELL & GARDNER 1924, 3387
HYPNEA MARCHANTAE SETCHELL & GARDNER 1924, 3387
HYPNOIDUS GLACIALIS VAN DYKE 1932, 3816
HYPNOIDUS LECONTEI HIRSUTUS VAN DYKE 1932, 3816
HYPNUMHILLEBRANDI LESQUEREUX 1868, 2688
HYPOCOELUS CALIFORNICUS VAN DYKE 1932, 3816
HYPOLEPIS MELANOCHLAENA SMITH 1975, 3453
HYPORHAMPHUS HILDEBRANDI JORDAN & EVERMANN 1927, 2348
HYPSELODORIS BABAI GOSLINER & BEHRENS 2000, 1608
HYPSINOTUS MEXICANUS BANKS 1898, 259
HYPSOBLENNIUS PIERSONI GILBERT & STARKS 1904, 1555
HYPSOPRORA SIMPLEX VAN DUZEE 1923, 3802
HYPTIS COLLINA BRANDEGEE 1891, 541
HYSTERANGIUM CINEREUM HARKNESS 1899, 1789
HYSTERANGIUM FUSCSUM HARKNESS 1899, 1789
HYSTERANGIUM OCCIDENTALE HARKNESS 1899, 1789
HYSTERANGIUM PHILLIPSII HARKNESS 1899, 1789
HYSTERONOTUS MYERSI WEITZMAN & THOMERSON 1970, 3874
HYSTEROPTERUM BUFO VAN DUZEE 1923, 3802
HYSTEROPTERUM MORUM VAN DUZEE 1923, 3802
ICELAND, 4035
ICELINUS STRABO STARKS 1896, 3510
ICHTHYAPUS INSULARIS MCCOSKER 2004, 2861
ICHTHYOLOGY, 2, 12, 55, 56, 57, 58, 59, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 153, 154, 155, 157, 158, 160, 161, 162, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 200, 201, 202, 204, 205, 207, 208, 209, 211, 212, 213, 214, 215, 393, 413, 414, 461, 471, 493, 494, 596, 605, 712, 726, 727, 737, 740, 748, 755, 756, 783, 791, 793, 794, 795, 796, 797, 798, 823, 824, 825, 876, 877, 878, 1040, 1047, 1053, 1054, 1071, 1137, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1399, 1400, 1426, 1427, 1428, 1444, 1447, 1451, 1452, 1453, 1454, 1455, 1468, 1469, 1470, 1474, 1480, 1481, 1505, 1506, 1543, 1545,

1547, 1548, 1554, 1555, 1556, 1568, 1595, 1596, 1597, 1598, 1624, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1654, 1655, 1656, 1657, 1658, 1659, 1665, 1680, 1721, 1795, 1799, 1803, 1810, 1811, 1835, 1836, 1837, 1838, 1939, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2239, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2272, 2271, 2273, 2274, 2275, 2276, 2277, 2278, 2298, 2306, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2348, 2633, 2647, 2648, 2685, 2756, 2757, 2759, 2760, 2774, 2775, 2776, 2777, 2778, 2854, 2855, 2856, 2857, 2858, 2859, 2860, 2861, 2862, 2863, 2864, 2866, 2867, 2868, 2869, 2870, 2871, 2872, 2873, 2874, 2875, 2876, 2877, 2878, 2879, 2880, 2887, 2888, 2891, 2892, 2928, 2934, 2945, 2982, 2987, 2988, 2989, 2990, 2994, 2997, 3006, 3056, 3057, 3087, 3088, 3089, 3115, 3134, 3140, 3141, 3142, 3171, 3174, 3176, 3177, 3178, 3179, 3180, 3181, 3184, 3272, 3273, 3274, 3275, 3276, 3277, 3278, 3279, 3280, 3281, 3282, 3283, 3298, 3299, 3345, 3346, 3361, 3362, 3365, 3380, 3378, 3379, 3381, 3391, 3392, 3438, 3467, 3468, 3469, 3475, 3478, 3510, 3511, 3521, 3545, 3560, 3561, 3634, 3708, 3723, 3862, 3874, 3933, 3934, 3993

ICIUS ILDEFONSUS CHAMBERLIN 1924, 717

IDAHO, 246, 248, 249, 250, 251, 252, 253, 254, 281, 289, 299, 895, 896, 900, 902, 989, 1089, 1557, 1893, 1888, 2078, 3033, 3035, 3343, 3422, 3439, 3503, 3582, 3586, 3755, 3766, 3776, 3788

IDEOMEA CALIFORNICA HALL 1901, 1718

IDEORONCUS WITHI CHAMBERLIN 1923, 715

IDIASTION HAGEYI MCCOSKER 2008, 2866

IDIGOFERA ARGENTATA JOHNSTON 1924, 2313

IDIOCERUS AMOENUS PICTUS VAN DUZEE 1917, 3795

IDOTAEA CONSOLIDATA STIMPSON 1856, 3572, 3573

IDOTAEA MARMORATA HARFORD 1877, 1768

IDOTAEA MURICATA HARFORD 1877, 1768

IDOTAEA PULCHRA LOCKINGTON 1877, 2751

IDOTAEA RECTILINEA LOCKINGTON 1877, 2750

IDOTAEGA LOCKINGTON 1877, 2751

IDOTAEGA LONGICAUDA LOCKINGTON 1877, 2751

IDRIA COLUMNARIA KELLOGG 1859, 2472

IDRIA KELLOGG 1859, 2472

IGUANIDAE, 3775

ILISOA CONJUGALIS GRISWOLD 2001, 1671

ILYBOTES NIGRINUS CASEY 1885, 708

ILYOBATES CALIFORNICUS CASEY 1885, 708

IMMANITAS ANAHUACENSIS PALMER 1928, 3050

IMMANITAS PALMER 1928, 3050

IMMANITAS ROTUNDA PALMER 1928, 3050

IMMERGENTIA ANGULATA SOULE & SOULE 1969, 3487

IMPATIENS, 3028

INACHOIDES BREVIROSTRUM LOCKINGTON 1877, 2755

INACHUS TUBERCULATUS LOCKINGTON 1877, 2750

INDIA, 1645, 2694, 2696, 3437, 3741

INDIA:ASSAM, 784

INDIAN OCEAN, 1365, 1369, 1373, 1410, 1461, 1600, 1609, 1647, 2268, 2275, 2276, 3391, 3993

INDO-AUSTRALIA, 619

INDONESIA, 2871, 2872, 3279, 4032

INDONESIA:PULAU TINDJIL, 4032

INDONESIA:SARAWAK, 660

INDO-PACIFIC, 1348, 1372, 1411, 1601, 1603, 1605, 1608, 1613, 1651, 1657, 2312, 2860, 2872, 3043, 3947, 3952, 3960, 4047

INFUSORIA, 411, 3913

INOCERAMUS ADUNCA ANDERSON 1902, 44

INOCERAMUS KLAMATHENSIS ANDERSON 1902, 44

INOCERAMUS PACIFICUS ANDERSON & HANNA 1935, 52

INOCERAMUS PEMBERTONI WARING 1917, 3858

INSECTICIDE, 1345

INSTITUTIONS, 1536, 2697

INSTRUMENTS, 690, 992, 993, 2784

INTRODUCED ANIMALS, 1610, 1742, 3593

INTRODUCED PLANTS, 3, 250, 282, 330, 386, 812, 868, 869, 883, 895, 900, 1169, 1179, 1239, 1242, 1401, 1583, 1814, 1849, 1886, 1919, 1958, 1969, 1972, 1973, 1978, 1986, 1988, 1989, 2018, 2021, 2025, 2026, 2034, 2045, 2046, 2047, 2050, 2069, 2072, 2084, 2086, 2088, 2090, 2097, 2098, 2106, 2109, 2133, 2134, 2144, 2150, 2181, 2187, 2190, 2191, 2228, 2255, 2835, 2844, 2953, 2960, 2974, 3028, 3194, 3195, 3196, 3198, 3205, 3206, 3213, 3243, 3249, 3326, 3332, 3349, 3364, 3491, 3650

INVASIVE SPECIES, 2359

INVERTEBRATE PALEONTOLOGY [SEE ALSO PALEONTOLOGY], 8, 9, 10, 44, 45, 46, 48, 49, 50, 51, 52, 53, 76, 397, 452, 453, 458, 840, 843, 844, 845, 859, 863, 890, 949, 954, 1057, 1058, 1063, 1061, 1103, 1105, 1437, 1438, 1489, 1490, 1491, 1750, 1753, 1860, 1861, 1863, 1867, 1869, 1871, 1873, 1898, 2258, 2262, 2346, 2900, 2901, 2931, 3128, 3225, 3226, 3227, 3266, 3318, 3320, 3445, 3447, 3451, 3461, 3462, 3463, 3464, 3465, 3486, 3677, 3678, 3680, 3681, 3695, 3696, 3698, 3699, 3743, 3832, 3839, 3841, 3843, 3869, 3923, 4042, 4043

INVERTEBRATE ZOOLOGY, 7, 9, 17, 21, 25, 71, 130, 163, 181, 210, 216, 217, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 256, 257, 358, 364, 368, 369, 370, 371, 394, 395, 396, 398, 401, 404, 428, 429, 468, 578, 588, 589, 590, 591, 593, 594, 662, 670, 676, 677, 678, 693, 698, 700, 701, 713, 716, 722, 743, 744, 753, 771, 772, 818, 819, 820, 821, 822, 826, 827, 828, 834, 835, 840, 841, 843, 844, 845, 846, 851, 853, 855, 856, 857, 858, 860, 861, 862, 865, 866, 930, 931, 932, 937, 938, 944, 946, 947, 949, 952, 953, 955, 1053, 1055, 1061, 1076, 1097, 1104, 1276, 1324, 1328, 1329, 1332, 1333, 1335, 1336, 1337, 1338, 1343, 1348, 1376, 1411, 1410, 1412, 1413, 1414, 1415, 1419, 1420, 1421, 1432, 1445, 1463, 1486, 1487, 1488, 1492, 1504, 1507, 1509, 1510, 1511, 1513, 1514, 1544, 1546, 1564, 1572, 1586, 1599,

1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1632, 1703, 1727, 1728, 1729, 1730, 1735, 1739, 1742, 1746, 1751, 1752, 1755, 1756, 1757, 1758, 1767, 1768, 1805, 1807, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1829, 1853, 1854, 1855, 1862, 1864, 1865, 1866, 1870, 1872, 1877, 1897, 1906, 1907, 1908, 1909, 1910, 2249, 2259, 2260, 2261, 2307, 2310, 2311, 2312, 2409, 2410, 2589, 2599, 2600, 2604, 2614, 2616, 2632, 2634, 2637, 2642, 2649, 2678, 2721, 2722, 2725, 2747, 2748, 2749, 2750, 2751, 2753, 2754, 2755, 2758, 2760, 2780, 2787, 2788, 2789, 2791, 2839, 2840, 2846, 2897, 2896, 2913, 2914, 2915, 2916, 2917, 2918, 2930, 2936, 2945, 2961, 2966, 2981, 2994, 2995, 2996, 2999, 3000, 3001, 3002, 3003, 3004, 3005, 3018, 3043, 3050, 3120, 3132, 3150, 3187, 3245, 3252, 3255, 3263, 3265, 3266, 3268, 3269, 3284, 3285, 3307, 3308, 3316, 3317, 3319, 3322, 3323, 3365, 3369, 3374, 3393, 3394, 3410, 3411, 3412, 3413, 3414, 3415, 3416, 3439, 3440, 3441, 3442, 3443, 3444, 3446, 3448, 3449, 3450, 3452, 3461, 3462, 3463, 3470, 3471, 3476, 3485, 3487, 3490, 3507, 3512, 3513, 3514, 3515, 3516, 3517, 3518, 3520, 3522, 3523, 3524, 3526, 3527, 3537, 3538, 3539, 3541, 3542, 3543, 3546, 3566, 3572, 3573, 3577, 3595, 3596, 3597, 3598, 3599, 3600, 3601, 3602, 3604, 3663, 3667, 3668, 3672, 3675, 3676, 3684, 3685, 3693, 3694, 3702, 3703, 3738, 3739, 3740, 3741, 3742, 3809, 3821, 3830, 3846, 3858, 3880, 3890, 3891, 3892, 3944, 3947, 3948, 3949, 3950, 3951, 3952, 3953, 3955, 3956, 3957, 3958, 3960, 3961, 3962, 3963, 3964, 3965, 3966, 3967, 3972, 3973, 3974, 3975, 3976, 3977, 3978, 3979, 3980, 3981, 3983, 4019, 4020, 4024, 4025, 4026, 4036, 4037, 4038, 4039, 4040, 4041, 4044, 4047

INVUOLUTINA STINEMEYERI CHURCH 1968, 751
IPOCHUS INSULARIS BLAISDELL 1925, 408
IPOMAEA JICAMA BRANDEGEE 1889, 524
IPOMAEA PENINSULARIS BRANDEGEE 1901, 568
IPOMAEA SCOPULORUM BRANDEGEE 1901, 568
IPOMAEA SPINULOSA BRANDEGEE 1901, 568
IPOMAEA TASTENSIS BRANDEGEE 1901, 568
IPOMOEA, 3399
IPOMOEA CRINITA BRANDEGEE 1905, 573
IPOMOEA HALIERCA JOHNSTON 1931, 2314
IPOMOEA MEGACARPA BRANDEGEE 1905, 573
IPOMOEA ODORATA EASTWOOD 1943, 1245
IPOMOEA RADIATIFOLIA KELLOGG 1877, 2584
IPOMOEA SINALOENSIS BRANDEGEE 1905, 573
IQUIUS NIPPONICUS JORDAN 1919, 2336
IRAN, 61, 62, 63, 487, 760, 2964, 3059, 3185, 3186
IRBISIA ARCUATA VAN DUZEE 1921, 3801
IRBISIA CALIFORNICA VAN DUZEE 1921, 3801
IRBISIA CASTANIPES VAN DUZEE 1921, 3801
IRBISIA PAETA VAN DUZEE 1921, 3801
IRBISIA SETOSA VAN DUZEE 1921, 3801
IRBISIA SITA VAN DUZEE 1921, 3801
IRIDAEA OBLONGIFRUCTA SETCHELL 1901, 3383
IRIDOIDEAE: IRIDACEAE, 1553
IRIS, 3325, 3326
IRIS CITRINA EASTWOOD 1942, 1235
IRIS DOUGLASIANA VAR. MENDOCINENSIS EASTWOOD 1940, 1226
IRIS HUMBOLDTIANA EASTWOOD 1940, 1226
IRIS LANSDALEANA EASTWOOD 1939, 1217
IRIS MACROSIPHON VAR. ELATA EASTWOOD 1940, 1226
IRIS MISSOURIENSIS VAR. MISSOURIENSIS FORMA ALBA ST.JOHN 1960, 3351
IRIS PINETORUM EASTWOOD 1931, 1146
IRIS PURDYI EASTWOOD 1897, 1124
ISAPIS OBTUSA CARPENTER 1866, 700
ISATIS, 687
ISCHNOCHITON ABYSSICOLA SMITH & COWAN 1966, 3448
ISCHNOCHITON ASTHENES BERRY 1919, 395
ISCHNOCHITON COLIMENSIS SMITH 1961, 3443
ISCHNOCHITON VEREDENTIENS CARPENTER 1866, 700
ISCHNODEMUS MACER VAN DUZEE 1921, 3798
ISCHNOMYRMEX MEXICANUM PERGANDE 1895, 3114
ISCHNOSEMBIA AMAZONICA ROSS 2001, 3308
ISCHNOSEMBIA ROSS 2001, 3308
ISCHNURA? ERRATICA CALVERT 1895, 674
ISCHNURA EXSTRIATA CALVERT 1895, 674
ISHCNOCHITON WILLETTI STILLMAN 1917, 394
ISICABU HENRIKI GRISWOLD 2001, 1671
ISICABU KOMBO GRISWOLD 2001, 1671
ISICABU MARGRETHAE GRISWOLD 2001, 1671
ISOCARDIA CHICOENSIS WARING 1917, 3858
ISOETES PRINGLEI UNDERWOOD 1890, 3730
ISOPODS, 1511, 2896, 3967
ISOPYRUM CLARKII KELLOGG 1977, 2583
ISOSEMBIA AEQUALIS ROSS 2003, 3310
ISOSEMBIA ROSS 2003, 3310
ISTIOPHORUS ERIQUIUS JORDAN & EVERMANN 1926, 2338
ISTIOPHORUS GREYI JORDAN & EVERMANN 1926, 2338
ISTIOPHORUS MAGUIREI JORDAN & EVERMANN 1926, 2338
ISTIOPHORUS VOLADOR JORDAN & EVERMANN 1926, 2338
ISTIOPHORUS WRIGHTI JORDAN & EVERMANN 1926, 2338
ITALY, 623, 1526, 1531, 2986, 3736
IVORY COAST, 3163
IXODES CALIFORNICAUS BANKS 1904, 260
JACQUEMONTIA EASTWOODIANA JOHNSTON 1924, 2313
JACQUEMONTIA MACROCEPHALA BRANDEGEE 1905, 573
JACQUEMONTIA PALMERI VAR. VARIANS BRAN-

DEGEE 1901, 568
JAMAICA, 1471
JANUSIA MEXICANA BRANDEGEE 1905, 573
JAPAN, 877, 1008, 1095, 1376, 1484, 2336, 2341, 2342, 2344, 2349, 2644, 3004, 3356, 3425, 3429, 3625, 3652, 3762, 3767, 3863, 3902
JASSUS INFESTUS VAN DUZEE 1937, 3807
JEANNETTE (SHIP), 70, 603, 671
JEFFREYSIA(?) TRANSLUCENS CARPENTER 1866, 700
JENSSEN (FREDERIC), 354
JEWETT (EZEKIEL), 3549
JOHNIUS NOBILIS AYRES 1860, 174
JONES (MARCUS E.), 2208, 2220, 2221, 2329, 2969, 2979
JOPPIDIUM ANNULICORNE ASHMEAD 1895, 130
JORDANICHTHYS EVERMANN & CLARK 1928, 1399
JORDANICHTHYS HOLEI EVERMANN & CLARK 1928, 1399
JUAN FERNANDEZ ISLAND, 2642
JULIDIO MACULOSUS CLARK 1936, 755
JULIS ORNATISSIMUS GARRETT 1863, 1505
JULIS SEMICINCTUS AYRES 1859, 169
JUNCO HYEMALIS THURBERI ANTHONY 1890, 84
JUNCO TOWNSENDI ANTHONY 1889, 80
JUNCUS, 1852, 2123, 2202
JUNCUS ABJECTUS HERMANN 1948, 1842
JUNCUS ACUMINATUS F. SPHAEROCEPHALUS HERMANN 1956, 1845
JUNCUS BRYOIDES HERMANN 1948, 1842
JUNCUS BUFONIUS VAR. CONGDONII (WATS.) HOWELL 1963 [COMB. NOV.], 2202
JUNCUS CAPILLARIS HERMANN 1948, 1842
JUNCUS (GRAMINIFOLII) HOWELLII HERMANN 1949, 1843
JUNCUS HEMIENDYTUS HERMANN 1948, 1842
JUNCUS LEPIOSPERMUS HERMANN 1948, 1842
JUNCUS LESEURII BOLANDER 1862, 475
JUNCUS MEGASPERMUS HERMANN 1948, 1842
JUNCUS MERTENSIANUS GRACILIS VAR. BADIUS (SUKSD.) HERMANN 1964 [STAT. NOV.], 1852
JUNCUS MERTENSIANUS GRACILIS VAR. COLUMBIANUS (COVILLE) HERMANN 1964 [COMB. NOV.], 1852
JUNCUS MERTENSIANUS GRACILIS VAR. SUKSDORFII (RYDB.) HERMANN 1964 [STAT. NOV.], 1852
JUNCUS MERTENSIANUS MERTENSIANUS VAR. DURANII (EWAN) HERMANN 1964 [STAT. NOV.], 1852
JUNCUS MERTENSIANUS SUBSP. GRACILIS (ENGELM.) HERMANN 1964 [COMB. NOV.], 1852
JUNIPERUS, 2302, 2744
JUNIPERUS CERROSIANUS KELLOGG 1859, 2476
JUNIPERUS OSTEOSPERMA (TORREY) LITTLE 1948 [COMB. NOV.], 2744
JURASSIC, 453
JUSTICIA, 966
JUSTICIA ALMEDAE DANIEL 1993, 961
JUSTICIA ARDENS DANIEL 2002, 967
JUSTICIA BREEDLOVEI DANIEL 1995, 962
JUSTICIA CHIMALAPENSIS DANIEL 1999, 966
JUSTICIA CHOL DANIEL 1995, 962
JUSTICIA CUIXMALENSIS DANIEL & LOTT 2009, 982
JUSTICIA EDGARCABRERAE DANIEL & CARNEVALI & TAPIA 2005, 980
JUSTICIA FORTUNENSIS DANIEL & WASSHAUSEN 1990, 986
JUSTICIA INSOLITA BRANDEGEE 1889, 524
JUSTICIA IXTLANIA DANIEL 1990, 959
JUSTICIA LUZMARIAE DANIEL & CARNEVALI & TAPIA 2005, 980
JUSTICIA MADRENSIS DANIEL 1995, 962
JUSTICIA:MESOAMERICANAE, 968
JUSTICIA MIRANDAE DANIEL 1995, 962
JUSTICIA NOVOGALICIANA DANIEL 1999, 966
JUSTICIA READII DANIEL & WASSHAUSEN 1990, 986
JUSTICIA SANGILENSIS DANIEL & VÉLIZ P. 2009, 985
JUSTICIA TABASCINA DANIEL 1990, 959
JUSTICIA TELETHECA DANIEL 1995, 962
JUSTICIA TIANGUENSIS DANIEL 1995, 962
JUSTICIA TUXTLENSIS DANIEL 2002, 967
JUSTICIA UXPANAPENSIS DANIEL 2002, 967
JUSTICIA VELIZII DANIEL 2010, 977
JUSTICIA VERAGUENSIS DANIEL & WASSHAUSEN 1990, 986
JUSTICIA WENDTII DANIEL 1999, 966
KALIELLA CHEKIANGENSIS YEN 1948, 4020
KALOTERMES DARWINI LIGHT 1935, 2720
KALOTERMES FATULUS LIGHT 1935, 2720
KALOTERMES LARSENI LIGHT 1935, 2720
KANSAS, 1938, 2592
KEARNEY (THOMAS HENRY), 2184, 2386, 2387, 2849, 3563
KELLOGG (ALBERT), 75, 366
KENDALLIA EVERMANN & SHAW 1927, 1400
KENDALLIA GOLDSBOROUGHI EVERMANN & SHAW 1927, 1400
KENTRODISCUS ACULEATUS HANNA 1927, 1734
KENTRODISCUS ANDERSONI HANNA 1927, 1734
KENYA, 1081
KERMES NAKAGAWAE KUWANA 1902, 2644
KERMES NAWAE KUWANA 1902, 2644
KERRIA MCDONALDI EISEN 1893, 1332
KERRIA ZONALIS EISEN 1893, 1332
KESSEL (EDWARD LUTHER), 95, 101, 2605
KEYS, 268, 270, 278, 283, 285, 287, 288, 289, 291, 297, 299, 303, 304, 331, 660, 674, 867, 871, 875, 878, 879, 901, 907, 971, 972, 976, 981, 1150, 1154, 1159, 1160, 1166, 1170, 1171, 1173, 1176, 1178, 1183, 1191, 1202,

1205, 1211, 1214, 1216, 1225, 1231, 1249, 1250, 1255, 1256, 1258, 1261, 1266, 1331, 1416, 1476, 1479, 1572, 1576, 1582, 1622, 1818, 1842, 1845, 1851, 1852, 1882, 1891, 1911, 1915, 1921, 1930, 1938, 1954, 1957, 2016, 2040, 2059, 2075, 2080, 2085, 2089, 2120, 2124, 2141, 2162, 2186, 2195, 2253, 2270, 2371, 2373, 2376, 2378, 2383, 2384, 2385, 2411, 2594, 2597, 2665, 2713, 2842, 2885, 2908, 2944, 3014, 3076, 3115, 3161, 3168, 3196, 3233, 3295, 3296, 3312, 3357, 3378, 3497, 3498, 3501, 3504, 3505, 3646, 3727, 3748, 3853, 3856, 3887, 3888, 3889
KIBRAMOA CHAMBERLIN 1924, 717
KINGENA SIMIENSIS WARING 1917, 3858
KIRCHER (ATHANASIUS), 581
KISHINOELLA ZACALLES JORDAN & EVERMANN 1926, 2338
KITTONIA MORENOENSIS BRIGGER & HANNA 1965, 587
KITTONIA RUSKI BRIGGER & HANNA 1965, 587
KITTONIA TESRAPODA BRIGGER & HANNA 1965, 587
KODAIANELLA BICINCTIFRONS FENNAH 1956, 1423
KODAIANELLA FENNAH 1956, 1423
KOELERIA, 2178
KOHLIELLA ANULA PULAWSKI 1991, 3159
KOMODO ISLAND, 1657
KOREA, 2363, 3418
KRAMERIACEAE, 972
KRAMERIA PROSTRATA BRANDEGEE 1905, 573
KRYNITZKIA CEDROSENSIS GREENE 1885, 1636
KRYNITZKIA CYCLOPTERA GREENE 1885, 1636
KRYNITZKIA DENTICULATA GREENE 1885, 1636
KRYNITZKIA DICHOTOMA GREENE 1885, 1636
KRYNITZKIA ECHINOIDES JONES 1895, 2326
KRYNITZKIA FOLIOSA GREENE 1885, 1636
KRYNITZKIA LEUCOPHAEA JONES 1895, 2326
KRYNITZKIA LEUCOPHAEA VAR.ALATA JONES 1895, 2327
KRYNITZKIA MARITIMA GREENE 1885, 1636
KRYNITZKIA MEXICANA BRANDEGEE 1904, 570
KRYNITZKIA MOHAVENSIS GREENE 1885, 1636
KRYNITZKIA RACEMOSA GREENE 1885, 1636
KRYNITZKIA ROSTELLATA GREENE 1885, 1636
KRYNITZKIA SPARSIFLORA GREENE 1885, 1636
KRYPTOPTERUS MINOR ROBERTS 1989, 3279
KUBWA GRISWOLD 2001, 1671
KUBWA SINGULARIS GRISWOLD 2001, 1671
KUMBA CALVIFRONS IWAMOTO & SAZONOV 1994, 2274
KUMBAGYMNORHYNCHUS IWAMOTO & SAZONOV 1994, 2274
KUMBA PUNCTULATA IWAMOTO & SAZONOV 1994, 2274
KUMLIENIA GREENE 1885, 1638
KURILE ISLANDS, 877
KURONEZUMIA IWAMOTO 1974, 2264
KURONEZUMIA PAEPKEI SHCHERBACHEV & SAZONOV & IWAMOTO 1992, 3392
KURONEZUMIA PALLIDA SAZONOV & IWAMOTO 1992, 3361
KYPHOSUS METZELAARI JORDAN & EVERMANN 1927, 2348
LABIOSA HASLETTI ANDERSON 1929, 50
LABRUS PULCHER AYRES 1854, 135, 182
LACERTA ZAGROSICA RASTEGAR-POUYANI & NILSON 1998, 3186
LACHNUS PINIDENSIFLORAE ESSIG & KUWANA 1918, 1376
LACON ILLIMIS HORN 1894, 1935
LACTUCA, 1983, 2110
LACUNA CARPENTERI ANDERSON & MARTIN 1914, 53
LAELAPS PILOSULA BANKS 1904, 260
LAEMOBOTHRIUM ATRUM KELLOGG 1896, 2591
LAEMOBOTHRIUM SIMILIS KELLOGG 1896, 2591
LAESTADIA AURIPUNCTATUM HARKNESS 1884, 1773
LAESTADIA CAELATA HARKNESS 1884, 1773
LAGOPHYLLA MINIMA KELLOGG 1873, 2569
LAGOPHYLLA SERRATA GREENE 1885, 1637
LAKE BAIKAL, 1449
LAKE BASINS, 4005
LALLEMANDIA CROCKERI VAN DUZEE 1937, 3807
LAMBRUS FRONS-ACUTIS LOCKINGTON 1877, 2750
LAMINARIA EPHEMERA SETCHELL 1901, 3383
LAMPANYCTUS ACANTHURUS WISNER 1974, 3993
LAMPANYCTUS BASILI WISNER 1974, 3993
LAMPANYCTUS ISAACSI WISNER 1974, 3993
LAMPOPHYTON WILLIAMS 2000, 3951
LAMPROLITHAX SIMULANS KELLOGG 1931, 2590
LAMPROLTHAX ANNECTENS KELLOGG 1931, 2590
LAMPROPELTIS AGALMA VAN DENBURGH & SLEVIN 1923, 3792
LAMPROPELTIS CATALINENSIS VAN DENBURGH & SLEVIN 1921, 3791
LAMPROPELTIS HERRERAE VAN DENBURGH & SLEVIN 1923, 3792
LAMPROPELTIS NITIDA VAN DENBURGH 1895, 3747
LAMPROPHIIDAE, 669
LANGUAGE, 13, 2824, 2828, 2893, 2929, 3007, 3008, 3122, 3229
LANGURIA CALIFORNICA HALL 1901, 1718
LANTHANOCEPHALUS CLANDESTINUS WILLIAMS & STARMER 2000, 3966
LANTHANOCEPHALUS WILLIAMS & STARMER 2000, 3966
LANTHANOTUS, 2922
LAPHAMIA ARIZONICA EASTWOOD 1931, 1146
LAPHAMIA CONGESTA JONES 1895, 2326
LAPHAMIA FLEXUM JONES 1891, 2319
LAPHAMIA GILENSIS JONES 1891, 2319

LAPHAMIA GRACILIS JONES 1895, 2326
LAPHAMIA PALMERI VAR. TENELLA JONES 1895, 2327
LAPHAMIA PENINSULARIS GREENE 1884, 1633
LAPHAMIA SAXICOLA EASTWOOD 1931, 1146
LAPHAMIA STAUROPHYLLA BARNEBY 1957, 300
LARGIDEA PUDICA VAN DUZEE 1925, 3804
LARINIA BELLONA BANKS 1898, 259
LARINIA CYMOTYPA CHAMBERLIN 1924, 717
LARVAE, 489, 1557, 2594, 3254, 3258
LASIOBOTRYS AFFINIS HARKNESS 1884, 1773
LASIOPOGON CINEREUS COLE 1919, 788
LASIOPSILA CURRAN 1936, 914
LASIOPSILA FASCIATA CURRAN 1936, 914
LASIOTHRIPS MOULTON 1968, 2963
LASIOTHRIPS PERPLEXUS MOULTON 1968, 2963
LASTARRIAEA CORIACEA (GOODMAN) HOOVER 1966 [COMB. NOV.], 1934
LATERIBRANCHIAEA FESTIVA STEARNS 1873, 3538
LATHRIMAEUM HUMERALE CASEY 1886, 710
LATHYRUS, 2020, 2079, 2181
LATHYRUS JEPSONII VAR. CALIFORNICUS (WATS.) HOOVER 1966 [COMB. NOV.], 1934
LATHYRUS LANSZWERTII KELLOGG 1862 [NB: INTENDED TO HONOR LANSZWEERT], 2497
LATHYRUS SPLENDENS KELLOGG 1877, 2580
LATHYRUS UTAHENSIS JONES 1895, 2326
LATHYS HIRSUTIPES BANKS 1921, 261
LATICAUDA CROCKERI SLEVIN 1934, 3427
LATIMERIA, 605, 796, 876, 1071, 1444, 1665, 1803, 2647, 2648, 2760, 2856, 2867, 2928, 3184, 3467, 3933
LATIRUS CLIPPERTONENSIS HERTLEIN & ALLISON 1968, 1872
LATIRUS GALAPAGANUS DALL & OCHSNER 1928, 954
LATIRUS MELVILLI DALL & OCHSNER 1928, 954
LAURENCIA CLARIONENSIS SETCHELL & GARDNER 1937, 3389
LAURENCIA DENSISSIMA SETCHELL & GARDNER 1937, 3389
LAURENCIA ESTEBANIANA SETCHELL & GARDNER 1924, 3387
LAURENCIA HUMILIS SETCHELL & GARDNER 1930, 3388
LAURENCIA JOHNSTONII SETCHELL & GARDNER 1924, 3387
LAURENCIA MASONII SETCHELL & GARDNER 1930, 3388
LAURENCIA MEDIOCRIS SETCHELL & GARDNER 1937, 3389
LAURENCIA OBTUSIUSCULA SETCHELL & GARDNER 1924, 3387
LAURENCIA OBTUSIUSCULA VAR. CORYMBIFERA SETCHELL & GARDNER 1924, 3387
LAURENCIA OBTUSIUSCULA VAR. LAXA SETCHELL & GARDNER 1924, 3387
LAURENCIA PAPILLOSA VAR. PACIFICA SETCHELL & GARDNER 1924, 3387
LAURENCIA SINICOLA SETCHELL & GARDNER 1924, 3387
LAURENCIA TURBINATA SETCHELL & GARDNER 1937, 3389
LAVATERA, 668
LAVATERA ASSURGENTIFLORA KELLOGG, 2412
LAVATERA ASSURGENTIFLORA KELLOGG 1854, 2523
LAVINIA COMPRESSA AYRES 1854, 144, 191
LAVINIA GIBBOSA AYRES 1854, 144, 191
LAYIA GRAVEOLENS GREENE 1885, 1634
LEA (ISSAC), 353
LECANIODIASPIS TAPIRIRAE FERRIS & KELLY 1923, 1435
LECANIUM ADENOSTOMAE KUWANA 1901, 2643
LECANIUM (EULECANIUM) TAKACHIHOI KUWANA 1902, 2644
LECHUSA STIRTONI MILLER 1956, 2921
LECONTE (JOHN), 1896
LEDA HAMATA CARPENTER 1866, 700
LEDA OCHSNERI ANDERSON & MARTIN 1914, 53
LEDA PARKERI ANDERSON & HANNA 1925, 51
LEDA UVASANA DICKERSON 1915, 1057
LEDA VADERENSIS DICKERSON 1915, 1057
LEDA VOGDESI ANDERSON & HANNA 1925, 51
LEDUM, 1344
LEDUM CALIFORNICUM KELLOGG 1859, 2464
LEDUM GLANDULOSUM SSP. COLUMBIANUM (PIPER) 1956 HITCHCOCK [COMB. NOV.], 1891
LEDUM GLANDULOSUM SSP. COLUMBIANUM VAR. AUSTRALE HITCHCOCK 1956, 1891
LEDUM GLANDULOSUM SSP. GLANDULOSUM VAR. CALIFORNICUM (KELLOGG) HITCHCOCK 1956 [COMB. NOV.], 1891
LEDUM GLANDULOSUM SSP. OLIVACEUM HITCHCOCK 1956, 1891
LEECH (HUGH BOSDIN), 120
LEGUMES, 704
LEGUMINOSAE:CAESALPINIOIDEAE, 704
LEILOPISMA LATERALE FORMOSENSIS VAN DENBURGH 1912, 3767
LEIOCASSIS MYERSI ROBERTS 1989, 3279
LEIOLOPISMA LATERALE BOETTGERI VAN DENBURGH 1912, 3767
LEIOPUS GRACILIPES LINSLEY 1942, 2736
LEIOPUS NIVOSUS LINSLEY 1942, 2736
LEIOPUS ROSALIAE LINSLEY 1942, 2736
LEIOPUS ROSSI LINSLEY 1942, 2736
LEIOSTOMUS LINEATUS AYRES 1855, 147, 194
LEMA AEMULA HORN 1894, 1935
LEMA FLAVIDA HORN 1894, 1935
LEMA OMOGERA HORN 1894, 1935
LEMBODES SUBCOSTATUS VAN DYKE 1953, 3818
LEMMON (JOHN GILL), 1092

LENA CASEY 1886, 710
LENA TESTACEA CASEY 1886, 710
LEONTODON, 445
LEPIDANTHRAX HYALINIPENNIS COLE 1923, 785
LEPIDIUM, 1889, 1967
LEPIDIUM JAREDII SUBSP. ALBUM HOOVER 1966, 1934
LEPIDIUM MONTICOLA BRANDEGEE 1908, 575
LEPIDIUM VIRGINICUM VAR, MENZIESII (DC.) HITCHCOCK 1940 [COMB. NOV.], 1889
LEPIDOCEPHALICHTHYS PRISTES ROBERTS 1989, 3279
LEPIDOCEPHALUS SPECTRUM ROBERTS 1989, 3279
LEPIDOCYRTUS FULVUS SCHÖTT 1896, 3370
LEPIDOCYRTUS PARCKARDI SCHÖTT 1896, 3370
LEPIDODACTYLUS MAGNUS BROWN & PARKER 1977, 619
LEPIDODACTYLUS MUTAHI BROWN & PARKER 1977, 619
LEPIDODACTYLUS NOVAEGUINEAE BROWN & PARKER 1977, 619
LEPIDODACTYLUS ORIENTALIS BROWN & PARKER 1977, 619
LEPIDOPHTHALMUS EISENI HOLMES 1904, 1910
LEPIDOPHTHALMUS HOLMES 1904, 1910
LEPIDOPLEURUS PECTINATUS CARPENTER 1866, 700
LEPIDOPLEURUS SCABRICOSTATUS CARPENTER 1866, 700
LEPIDOPTERA, 105, 339, 340, 341, 342, 343, 344, 345, 350, 351, 355, 359, 360, 372, 579, 1277, 1278, 1279, 1280, 1281, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1292, 1293, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1456, 1759, 2308, 2596, 2737, 2793, 3260, 3376, 3657, 3666, 3722, 3805, 3815, 4014
LEPIDOPTERA:ARCTIIDAE, 108, 109
LEPIDOPTERA:LASIOCAMPIDAE, 109
LEPIDOPTERA:RHOPALOCERA, 3247
LEPIDURUS LEMMONI HOLMES 1895, 1906
LEPISMA RETICULATA SCHÖTT 1896, 3370
LEPISMA RUBRO-VIOLACEA SCHÖTT 1896, 3370
LEPTASTREA HERTLEINI DURHAM 1942, 1103
LEPTOCHILUS LEVINODUS BOHART 1948, 472
LEPTOCHILUS MICHELBACHERI BOHART 1948, 472
LEPTOCHILUS PROPODEALIS BOHART 1948, 472
LEPTOCHITON CLARKI BERRY 1921, 397
LEPTOCHITON HEATHI BERRY 1919, 395
LEPTOCHITON NEXUS CARPENTER 1866, 700
LEPTODORAS, 471
LEPTODORAS MYERSI BÖHLKE 1970, 471
LEPTODRASSUS INCERTUS BANKS 1898, 259
LEPTOGASTER ARIDUS COLE 1919, 788
LEPTOGASTER CROCKERI CURRAN 1936, 914
LEPTOGENIUS CASEY 1886, 710
LEPTOGENUS BREVICORNIS CASEY 1886, 710
LEPTOGLANINAE ROBERTS 2003, 3281
LEPTOGLOSSUS CARTAGOENSIS BRAILOVSKY & BARRERA 1998, 495
LEPTOGLOSSUS TALAMANCANUS BRAILOVSKY & BARRERA 1998, 495
LEPTOGORGIA BAYERI WILLIAMS & LINDO 1997, 3963
LEPTOGUNNELLUS AYRES 1855, 147, 194
LEPTOGUNNELLUS GRACILIS AYRES 1855, 147, 194
LEPTOMANTISPA CHAOS HOFFMAN 2002, 1900
LEPTOMANTISPA NYMPHE HOFFMAN 2002, 1900
LEPTONETA CALIFORNICA BANKS 1904, 260
LEPTON MEROEUM CARPENTER 1866, 700
LEPTONYX BACULA CARPENTER 1864, 699
LEPTONYX (SANGUINEUS VAR.) PURPUREUM CARPENTER 1864, 699
LEPTORUS BICOLOR CASEY 1886, 710
LEPTORUS CALIFORNICUS HALL 1901, 1718
LEPTORUS CASEY 1886, 710
LEPTORUS TEXANUS CASEY 1886, 710
LEPTOSIAGON ATTENUATA TRASK 1857, 3684, 3702
LEPTOSIAGON FALCATA TRASK 1857, 3684, 3702
LEPTOSIAGON GLABRESCUS TRASK 1857, 3684, 3702
LEPTOSIAGON GRACILIS TRASK 1857, 3684, 3702
LEPTOSIAGON INCURVA TRASK 1857, 3684, 3702
LEPTOSIAGON MAGNAS TRASK 1857, 3684, 3702
LEPTOSIAGON OCCIDENTALIS TRASK 1857, 3684, 3702
LEPTOSIAGON SEMIRECTAS TRASK 1857, 3684, 3702
LEPTOSIAGON TRASK 1857, 3684, 3702
LEPTOSPAERIA PHORADENDRI BONAR 1939, 486
LEPTOSPERMUM, 1183
LEPTOSTYLUS GALAPAGOENSIS VAN DYKE 1953, 3818
LEPTOSTYLUS WILLIAMSI VAN DYKE 1953, 3818
LEPTOSYNE GIGANTEA KELLOGG 1872, 2522
LEPTOTAENIA BRADSHAWII ROSE IN MATHIAS 1934, 2838
LEPTOTUS LONGICEPS CASEY 1886, 710
LEPTOTUS VERSICOLOR CASEY 1886, 710
LEPTOTYPHLOPIDAE, 2984
LEPTOTYPHLOPS HUMILIS LEVITONI MURPHY 1975, 2984
LEPTOTYPHLOPS HUMILIS LINDSAYI MURPHY 1975, 2984
LEPUS INSULARIS BRYANT 1891, 646
LEPUS MARTIRENSIS STOWELL 1895, 3591
LESQUERELLA, 2797
LESQUERELLA BARNEBYI MAGUIRE 1950, 2797
LESQUERELLA FLEXUOSA BRANDEGEE 1908, 575
LESQUERELLA HITCHCOCKII SSP. TUMULOSA BARNEBY 1966, 306
LESSINGIA ADENOPHORA GREENE 1885, 1636
LESSINGIA NEMACLADA GREENE 1885, 1636
LESSINGIA PARRYI GREENE 1885, 1636

LESTEVA LONGIPENNIS CASEY 1885, 708
LESTEVA TRUNCATA CASEY 1885, 708
LETHOLYCUS ANDERSON 1988, 56
LETHOLYCUS MAGELLANICUS ANDERSON 1988, 56
LETHOTREMUS VINOLENTUS JORDAN & STARKS 1895, 2342
LEUCARCITA RICKSECKERI BEHR 1893, 364
LEUCASPIS BAMBUSAE KUWANA 1902, 2644
LEUCOCHRYSA AFFINIS DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA BARREI DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA BRUNEOLA DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA CATARINAE DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA CONFUSA DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA CORNUTA DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA FORCIFORMIS DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA FURCATA DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA GUATAPARENSIS DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA ICTERICUS DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA INCOGNITA DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA INTERATA DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA LINEATA DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA MACULOSA DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA MICHELINI DE FRIETAS & PENNY 2001, 1045
LEUCOCHRYSA PARALLELA DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA RETUSA DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA ROBUSTA DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA SANTINI DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA SCOMPARINI DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA SQUAMISETOSA DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA TABACINUS DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA TENUIS DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA VIGINISI DE FREITAS & PENNY 2001, 1045
LEUCOCHRYSA VITTATUS DE FREITAS & PENNY 2001, 1045
LEUCOGLOSSA ALBILINGUIS JORDAN & EVERMANN & WAKIYA 1927, 2339
LEUCOGLOSSA CANDEMS JORDAN & EVERMANN & WAKIYA 1927, 2339
LEUCOGLOSSA JORDAN & EVERMANN 1927, 2339
LEUCOLEPIS MENZIESII (HOOK.) STEERE 1950 [COMB. NOV.], 2618
LEUCOPHENGA XANTHOBASIS CURRAN 1936, 914
LEUCOPHLEPS CANDIDA HARKNESS 1899, 1789
LEUCOPHLEPS CITRINA HARKNESS 1899, 1789
LEUCOPHLEPS FOVEOLATA HARKNESS 1899, 1789
LEUCOPHLEPS HARKNESS 1899, 1789
LEUCOPHLEPS MAGNATA HARKNESS 1899, 1789
LEUCOPHLEPS ODORATA HARKNESS 1899, 1789
LEUCOPHORA HAUSTELLARIS HUCKETT 1966, 2248
LEUCOPHORA INNUPTA HUCKETT 1966, 2248
LEUCOPHORA MEGACEPHALA HUCKETT 1966, 2248
LEUCOTABANUS, 1416
LEUCOTABANUS CORNELIANUS FAIRCHILD 1985, 1416
LEWISIA ALBA KELLOGG 1861, 2491
LEWISIA CANTELOVII HOWELL 1942, 2041
LEWISIA EASTWOODIANA PURDY 1932, 3169
LEWISIA FINCHAE PURDY 1932, 3169
LEWISIA KELLOGGII K.BRANDEGEE 1893, 515
LEWISIA MAGUIREI HOLMGREN 1954, 1911
LEWISIA REDIVIVA SUBSP. MINOR (RYDB.) HOLMGREN 1954 [COMB. NOV.], 1911
LEWISIA WHITEAE PURDY 1932, 3169
LIACARUS MODESTUS BANKS 1904, 260
LIBURNIA MUIRI VAN DUZEE 1917, 3795
LIBURNIA SEMICINCTUS VAN DUZEE 1917, 3795
LICHENS, 468, 2313, 2726, 3100, 3569, 3575
LICK (JAMES), 2718, 3548
LICNOPHORA MACFARLANDI STEVENS 1901, 3566
LIFE AT HIGH TEMPERATURES, 418, 420, 421, 583
LIFE HISTORY, 973, 1290, 2641, 3085, 3101, 3176, 3254, 3263, 3641
LILIUM, 1197, 1265, 1266, 1267
LILIUM BLOOMERIANUM KELLOGG 1872, 2520
LILIUM BLOOMERIANUM VAR. OCELLATUM KELLOGG 1873, 2571
LILIUM FRESNENSE EASTWOOD 1941, 1228
LILIUM INYOENSE EASTWOOD 1941, 1228
LILIUM NEVADENSE EASTWOOD 1933, 1163
LILIUM NEVADENSE VAR. FRESNENSE EASTWOOD 1933, 1163
LILIUM NEVADENSE VAR. MONENSE EASTWOOD 1933, 1163
LILIUM NEVADENSE VAR. SHASTENSE EASTWOOD 1933, 1163

LILIUM PARDALINUM KELLOGG 1859, 2462
LILIUM PARVUM KELLOGG 1862, 2503
LILIUM VOLLMERI EASTWOOD 1948, 1266
LILIUM WASHINGTONIANUM KELLOGG 1859, 2463
LILLIUM LUCIDUM KELLOGG 1875, 2576
LILLIUM MARITINUM KELLOGG 1875, 2575
LILORHIZA KELLOGG 1860, 2477
LILORHIZA LANCEOLATA KELLOGG 1860, 2477
LIMA ERRINGTONI GABB 1864, 1490
LIMA MORI HERTLEIN 1952, 1864
LIMA NESIOTES DALL & OCHSNER 1928, 954
LIMA SPHONI HERTLEIN 1963, 1865
LIMAX (AMALIA) HEWSTONI COOPER 1875, 841
LIMNANTHES BAKERI HOWELL 1943, 2053
LIMNOCHARIS ALUTACEA CASEY 1886, 710
LIMNOCHARIS ANGUSTULA CASEY 1886, 710
LIMNOCHARIS CONGENER CASEY 1886, 710
LIMNOCHARIS CONICIVENTRIS CASEY 1886, 710
LIMNOCHARIS POLITA CASEY 1886, 710
LIMNOPHILA PTEROPOECILA ALEXANDER 1921, 22
LIMNOPHORA INCRASSATA MALLOCH 1919, 2814
LIMNOPHORA INVADA HUCKETT 1966, 2248
LIMNOPHORA MAGNIPUNCTATA MALLOCH 1919, 2814
LIMNOPHORA MESOVITTATA COURI & PONT & PENNY 2006, 875
LIMNOPHORA TRIANGULARIS COURI & PONT & PENNY 2006, 875
LIMONIA CRUZI ALEXANDER 1936, 914
LIMONIA EPHIPPIATA ALEXANDER 1936, 914
LIMONIA FUSCOLATA ALEXANDER 1936, 914
LIMONIA SPATHULATA ALEXANDER 1936, 914
LIMONIA WILLOWSI ALEXANDER 1936, 914
LIMONIUS BEUTENMUELLERI VAN DYKE 1932, 3816
LIMONIUS BICOLOR VAN DYKE 1932, 3816
LIMONIUS FULVIPILIS SEMINUDUS VAN DYKE 1932, 3816
LIMONIUS HUGUENINI VAN DYKE 1932, 3816
LIMONIUS KUSCHEI VAN DYKE 1932, 3816
LIMONIUS LANEI VAN DYKE 1932, 3816
LIMONIUS NEBULOSUS VAN DYKE 1932, 3816
LIMONIUS PICTUS VAN DYKE 1932, 3816
LIMONIUS URSINUS VAN DYKE 1932, 3816
LINANTHUS, 2003, 3209
LINANTHUS DICHOTOMUS VAR. MERIDIANUS EASTWOOD 1945, 1254
LINANTHUS PYGMAEUS (BRAND) HOWELL 1938 [COMB. NOV.], 2003
LINARIA, 248, 2146
LINDIGIA NODOSUM ANDERSON 1902, 44
LINONIA BIPARTITA ALEXANDER 1936, 914
LINOSYRIS DENTATUS KELLOGG 1859, 2466
LINUM, 2017
LINUM BREWERI GRAY 1864, 1626
LINUM DECURRENS KELLOGG 1863, 2516
LINUM (HESPEROLINON) DRYMARIOIDES CURRAN 1885, 917
LINUM KINGII VAR. PINETORUM JONES 1895, 2326
LINUM LEWISII VAR. SAXOSUM MAGUIRE & HOLMGREN 1946, 2800
LINUM TRISEPALUM KELLOGG 1863, 2516
LINYPHIA DORSALIS BANKS 1898, 259
LIOBUNUM ESCONDIDUM CHAMBERLIN 1925, 719
LIOLITHAX KERNENSIS KELLOGG 1931, 2590
LIOSCINCUS VIVAE SADLIER & BAUER & WHITAKER & SMITH 2004, 3348
LIOTIA FARALLONENSIS SMITH 1952, 3440
LIOTIA FENESTRATA CARPENTER 1864, 698
LIPARIS DENNYI JORDAN & STARKS 1895, 2342
LIPARIS MUCOSUS AYRES 1855, 146, 193
LIPARIS PULCHELLUS AYRES 1855, 146, 193
LIPEURIS LACULATUS KELLOGG & CHAPMAN 1899, 2595
LIPEURU CELER KELLOGG 1896, 2591
LIPEURUS CONCINNUS KELLOGG & CHAPMAN 1899, 2595
LIPEURUS CONFIDENS KELLOGG 1899, 2593
LIPEURUS CONSTRICTUS KELLOGG 1896, 2591
LIPEURUS DENSUS KELLOGG 1896, 2591
LIPEURUS DIVERSUS KELLOGG 1896, 2591
LIPEURUS INTRODUCTUS KELLOGG 1896, 2592
LIPEURUS LIMITATUS KELLOGG 1896, 2591
LIPEURUS LONGIPILUS KELLOGG 1896, 2591
LIPEURUS MACGREGORI KELLOGG 1899, 2593
LIPEURUS MACROCEPHALUS KELLOGG 1896, 2592
LIPEURUS PERPLEXUS KELLOGG & CHAPMAN 1899, 2595
LIPEURUS PICTURATUS KELLOGG 1896, 2591
LIPEURUS PROTERVUS KELLOGG 1899, 2593
LIPEURUS SNODGRASSI KELLOGG 1896, 2592
LIPEURUS VARIUS KELLOGG 1896, 2591
LIPOCHAETA HASTATA KELLOGG 1861, 2488
LIPPIA FASTIGIATA BRANDEGEE 1889, 524
LIPPIA FORMOSA BRANDEGEE 1891, 541
LIPPIA MONTANA BRANDEGEE 1891, 541
LIPPIA (ZAPANIA) BARBATA BRANDEGEE 1889, 524
LIPSE ARGENTATA COURI & PONT & PENNY 2006, 875
LISPCEPHALA ACUTICAUDA HUCKETT 1966, 2248
LISPE APPROXIMATA HUCKETT 1966, 2248
LISPE DESERTORUM HUCKETT 1966, 2248
LISSOTELES VANDUZEEI COLE 1923, 786
LIST, 99, 251, 286, 474, 691, 692, 828, 829, 843, 860, 1092, 1255, 1256, 1258, 1349, 1859, 1893, 1919, 2065, 2072, 2078, 2083, 2085, 2188, 2199, 2744, 2766, 2796, 2974, 3023, 3029, 3092, 3095, 3204, 3220, 3329, 3503, 3523, 3524, 3526, 3527, 3713, 3756
LIST (FLORA), 249, 254, 278, 328, 814, 885, 988, 1230, 1231, 1232, 1262, 1271, 1409, 1619, 1620, 1706, 2042, 2048, 2126, 2155, 2169, 2235, 2289, 2374, 2381, 2799, 2800, 2949, 2956, 3024, 3195, 3197, 3208, 3575, 3582,

3607, 3721
LISTROCHELUS CARMINATOR HORN 1894, 1935
LISTRUS DEFINITUS HALL 1901, 1718
LITHOCARPUS DENSIFLORUS VAR. PARVUS HOOVER 1966, 1934
LITHOCHARIS CONSANGUINEA CASEY 1886, 709
LITHOCHARIS CONTIGUUA CASEY 1886, 709
LITHOCHARIS CONVERGENS CASEY 1886, 709
LITHOCHARIS GREGALIS CASEY 1886, 709
LITHOCHARIS LANGUIDA CASEY 1886, 709
LITHOCHARIS LATIUSCULA CASEY 1886, 709
LITHOCHARIS LEPIDA CASEY 1886, 709
LITHOCHARIS LUCTOUSA CASEY 1886, 709
LITHOCHARIS MALACA CASEY 1886, 709
LITHOCHARIS MIMULA CASEY 1886, 709
LITHOCHARIS PUBERULA CASEY 1886, 709
LITHOCHARIS RETRUSA CASEY 1886, 709
LITHOCHARIS SINUATOCOLLIS CASEY 1886, 709
LITHOCHARIS SUBLESTA CASEY 1886, 709
LITHOPHRAGMA THOMPSONII HOOVER 1944, 1922
LITHOSIA CANDIDA EDWARDS 1873, 1279
LITHURGUS OBLONGUS FOX 1893, 1464
LITHYPHANTES AUTUMNALIS BANKS 1898, 259
LITHYPHANTES MEDIALIS BANKS 1898, 259
LITHYPHANTES TRANSVERSUS BANKS 1898, 259
LITOLIBRUS PICTUS HORN 1896, 1937
LITOSCIRTUS PLATYNOTUS LIGHTFOOT & WEISSMAN 1991, 2723
LITOSEMBIA OLIGEMBIODES ROSS 2001, 3308
LITOSEMBIA ROSS 2001, 3308
LITTORINA ALEUTICA DALL 1872, 936
LITTORINA SUBOBESA COOPER 1896, 863
LIVERWORTS, 1378, 3731
LIZARDS, 63, 64, 65, 66, 265, 314, 315, 317, 606, 607, 609, 617, 618, 619, 620, 695, 1072, 1813, 2702, 2705, 2885, 2922, 2923, 2925, 2939, 2983, 3054, 3055, 3185, 3186, 3348, 3423, 3744, 3746, 3748, 3754, 3764, 3775, 3776, 3781, 3790, 3791, 3834, 3844, 3845, 4032
LOBOSEMBIA MANDIBULATA ROSS 2007, 3312
LOBOSEMBIA ROSS 2007, 3312
LOCKINGTONIA FLUVIALIS HARFORD 1877, 1767
LOCKINGTONIA HARFORD 1877, 1767
LOEDELIA PENINSULARIS BARR 1950, 309
LOESS, 3241
LOMATIUM TUBEROSUM HOOVER 1944, 1922
LOMECHUSA ANGUSTA HALL 1901, 1718
LOMECHUSA MONTANA CASEY 1886, 710
LONATURA NANA VAN DUZEE 1923, 3802
LONATURA PUPA VAN DUZEE 1925, 3804
LONATURA VENTRALIS VAN DUZEE 1923, 3802
LONCHAEA ARMATA MALLOCH 1923, 2815
LONCHOCARPUS LITTORALIS BRANDEGEE 1901, 568
LONGEVITY, 3176
LONGICERA, 1046
LONGISTYLAE WALTHER 1959 [SER. NOV.], 3856
LONGITARSUS BICOLOR HORN 1894, 1935
LONGITARSUS GALAPAGOENSIS VAN DYKE 1953, 3818
LONICERA CONJUGIALIS KELLOGG 1860, 2481
LONICERA INTERMEDIA KELLOGG 1862, 2499
LONICERA PILOSA KELLOGG 1855, 2442, 2553
LOPEZIA CLAVATA BRANDEGEE 1889, 524
LOPEZIA FOLIOSA BRANDEGEE 1908, 577
LOPHIIFORMES:OGCOCEPHALIDAE, 494
LOPHIOSTOMA CONGREGATUM HARKNESS 1884, 1773
LOPHOCARENUM FASCIATUM BANKS 1904, 260
LOPHOLEJEUNA COCOSENSIS CLARK 1953, 757
LOPIDEA ACULEATA VAN DUZEE 1917, 3795
LOPIDEA AMPLA VAN DUZEE 1917, 3795
LOPIDEA BIFURCA VAN DUZEE 1921, 3798
LOPIDEA DISCRETA VAN DUZEE 1921, 3798
LOPIDEA EREMITA VAN DUZEE 1923, 3802
LOPIDEA MARGINATA UHLER 1894, 3728
LOPIDEA NIGRIDEA HIRTA VAN DUZEE 1921, 3798
LOPIDEA OCCIDENTALIS VAN DUZEE 1918, 3796
LOPIDEA PUELLA VAN DUZEE 1921, 3798
LOPIDEA TAURINA VAN DUZEE 1921, 3798
LORDHOWEA GRISWOLD 2001, 1671
LORDHOWEA NESIOTA GRISWOLD 2001, 1671
LORICARIA (HEMIODON) PANAMENSIS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
LORICARIA (LORICARIA) LATA C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
LORICARIA (PSEUDOHEMIODON) PHOXOCEPHALA C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
LORICARIA PUGANENSIS PEARSON 1937, 3088
LORICARIA (RINELORICARIA) BREVIROSTRIS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
LOTTIA MIMICA LINDBERG & MCLEAN 1981, 2725
LOTTIA SMITHI LINDBERG & MCLEAN 1981, 2725
LOTUS, 2018, 2227
LOTUS BIOLETTII VAR. SPIRALIS HOOVER 1966, 1934
LOTUS INTRICATUS EASTWOOD 1942, 1237
LOTUS LEONIS EASTWOOD 1937, 1196
LOTUS PURPURASCENS EASTWOOD 1940, 1226
LOTUS SCOPARIUS VAR. PERPLEXANS HOOVER 1966, 1934
LOTUS SCOPARIUS VAR. SCOPARIUS FORMA PROSTRATUS HOOVER 1966, 1934
LOTUS TRIFOLIOLATUS EASTWOOD 1940, 1226
LOVENIA DUMBLEI DICKERSON & KEW 1917, 1063
LOXOLITHAX SINUOSA KELLOGG 1931, 2590
LUCINA SPHERICA DALL & OCHSNER 1928, 954
LUDIUS APLASTOIDES VAN DYKE 1932, 3816
LUDIUS APPALACHIUS VAN DYKE 1932, 3816
LUDIUS ATLAS VAN DYKE 1932, 3816
LUDIUS BLAISDELLI VAN DYKE 1932, 3816
LUDIUS DOLOROSUS VAN DYKE 1932, 3816

LUDIUS GRANICOLLIS VAN DYKE 1932, 3816
LUDIUS HOPPINGI VAN DYKE 1932, 3816
LUDIUS HUMBOLDTI VAN DYKE 1932, 3816
LUDIUS NUNENMACHERI VAN DYKE 1932, 3816
LUDIUS PATRICIUS VAN DYKE 1932, 3816
LUDIUS RAINIERI VAN DYKE 1932, 3816
LUDIUS SHASTENSIS VAN DYKE 1932, 3816
LUDIUS SILVATICUS VAN DYKE 1932, 3816
LUDIUS TAHOENSIS VAN DYKE 1932, 3816
LUDIUS TENELLUS VAN DYKE 1932, 3816
LUDIUS ULIGINOSUS VAN DYKE 1932, 3816
LUDWIGIA SCABRIUSCULA KELLOGG 1877, 2579
LUNATIA COWLITZENSIS DICKERSON 1915, 1057
LUPERODES HISTRIO HORN 1895, 1936
LUPINUS, 1089, 1090, 1091, 1093, 1205, 1211, 1214, 1216, 1219, 1225, 1231, 1255, 1256, 1258, 1268, 1818
LUPINUS ALBIFRONS VAR. ABRAMSII (C.P. SMITH) HOOVER 1966 [COMB. NOV.], 1934
LUPINUS ALBOPILOSUS HELLER 1941, 1818
LUPINUS ANGUSTIFLORUS EASTWOOD 1940, 1223
LUPINUS ANTONINUS EASTWOOD 1943, 1241
LUPINUS ARBUSTUS SSP. ARBUSTUS VAR. MONTANUS (HOWELL) DUNN 1955 [COMB. NOV.], 1088
LUPINUS ARBUSTUS SSP. CALCARATUS (KELL.) DUNN 1955 [COMB. NOV.], 1088
LUPINUS ARBUSTUS SSP. NEOLAXIFLORUS DUNN 1955, 1088
LUPINUS ARBUSTUS SSP. PSEUDOPARVIFLORUS (RYDB.) DUNN 1955 [COMB. NOV.], 1088
LUPINUS ARBUSTUS SSP. SILVICOLA (HELLER) DUNN 1955 [COMB. NOV.], 1088
LUPINUS ARCTICUS SUBSP. CANADENSIS (CP SM.) DUNN 1965 [COMB. NOV.], 1094
LUPINUS ARGENTEUS SSP. ARGENTEUS VAR. TENELLUS (DOUGL. EX G. DON) DUNN 1955 [COMB.NOV.], 1088
LUPINUS BERNARDINUS ABRAMS 1939, 5, 1216
LUPINUS BLAISDELLII EASTWOOD 1941, 1228
LUPINUS BRANDEGEEI EASTWOOD 1941, 1228
LUPINUS BRUNNEO-MACULATUS EASTWOOD 1941, 1228
LUPINUS CAERULEUS HELLER 1941, 1818
LUPINUS CAESIUS EASTWOOD 1942, 1238
LUPINUS CALCARATUS KELLOGG 1863, 2508
LUPINUS CAMPBELLAE EASTWOOD 1940, 1225
LUPINUS CAMPBELLAE VAR. BERNARDINUS EASTWOOD 1940, 1225
LUPINUS CANDIDISSIMUS EASTWOOD 1941, 1228
LUPINUS CAUDATUS KELLOGG 1863, 2508
LUPINUS CAUDICIFERUS EASTWOOD 1939, 1221
LUPINUS CERVINUS KELLOGG 1863, 2509
LUPINUS CHRISTINAE HELLER 1940, 1817
LUPINUS CITRINUS KELLOGG 1877, 2580
LUPINUS CONFERTUS KELLOGG 1863, 2507
LUPINUS CROCEUS EASTWOOD 1938, 1211
LUPINUS DALESAE EASTWOOD 1940, 1226
LUPINUS DEBILIS EASTWOOD 1946, 1259
LUPINUS DUDLEYI (C.P.SM.) EASTWOOD 1941 [COMB. NOV.], 1231
LUPINUS DURANI EASTWOOD 1940, 1225
LUPINUS ELEGANTULUS EASTWOOD 1941, 1228
LUPINUS FRAGRANS HELLER 1940, 1817
LUPINUS GUADALUPENSIS GREENE 1885, 1636
LUPINUS HENDERSONI EASTWOOD 1940, 1226
LUPINUS ISABELIANUS EASTWOOD 1939, 1221
LUPINUS KERRII EASTWOOD 1942, 1237
LUPINUS KLAMATHENSIS EASTWOOD 1942, 1238
LUPINUS KUSCHEI EASTWOOD 1942, 1238
LUPINUS LACTEUS KELLOGG 1873, 2568
LUPINUS LASIOTROPIS GREENE IN EASTWOOD 1941, 1231
LUPINUS LASSENENSIS EASTWOOD 1946, 1256
LUPINUS LAYNEAE EASTWOOD 1938, 1205
LUPINUS LELANDSMITHII EASTWOOD 1941, 1228
LUPINUS LILACINUS HELLER 1940, 1817
LUPINUS LUDOVICIANUS GREENE 1885, 1636
LUPINUS LUTEOLUS KELLOGG 1873, 2568
LUPINUS LUTEOLUS VAR. ALBIFLORUS EASTWOOD 1939, 1217
LUPINUS LUTOSUS HELLER 1941, 1818
LUPINUS MARINENSIS EASTWOOD 1940, 1226
LUPINUS MARIPOSANUS EASTWOOD 1940, 1223
LUPINUS MENZIESII VAR. AUREA KELLOGG 1873, 2567
LUPINUS MICENSIS JONES 1895, 2326
LUPINUS MINUTIFOLIUS EASTWOOD 1940, 1226
LUPINUS MONENSIS EASTWOOD 1940, 1225
LUPINUS MUNZII EASTWOOD 1943, 1241
LUPINUS NAVICULARIUS HELLER 1941, 1818
LUPINUS NIPOMENSIS EASTWOOD 1939, 1217
LUPINUS NOLDEKAE EASTWOOD 1945, 1252
LUPINUS OCHROLEUCUS EASTWOOD 1942, 1238
LUPINUS OREOCHARIS EASTWOOD 1942, 1238
LUPINUS PALLIDUS BRANDEGEE 1893, 559
LUPINUS PALUSTRIS KELLOGG 1873, 2567
LUPINUS PARISHII EASTWOOD 1939, 1216
LUPINUS PASADENENSIS EASTWOOD 1942, 1238
LUPINUS PENNELLIANUS HELLER IN EASTWOOD 1941, 1231
LUPINUS PERGLABER EASTWOOD 1940, 1226
LUPINUS PILOSELLUS EASTWOOD 1938, 1211
LUPINUS PIPERITUS VAR. SPARSIPILOSUS EASTWOOD 1942, 1238
LUPINUS PROTEANUS EASTWOOD 1945, 1255
LUPINUS PULCHER EASTWOOD 1942, 1238
LUPINUS PUMICOLA HELLER 1940, 1817
LUPINUS PUSILLUS SSP. INTERMONTANUS (HELLER) DUNN 1955 [COMB. NOV.], 1088
LUPINUS PUSILLUS SSP. RUBENS (RYDB.) DUNN 1955 [COMB. NOV.], 1088
LUPINUS RAINIERENSIS EASTWOOD 1944, 1250

LUPINUS RIMAE EASTWOOD 1942, 1238
LUPINUS ROSEI EASTWOOD 1941, 1228
LUPINUS ROSTRATUS EASTWOOD 1896, 1123
LUPINUS RUBRO-SOLI EASTWOOD 1943, 1241
LUPINUS SALTICOLA EASTWOOD 1943, 1241
LUPINUS SELLULUS KELLOGG 1873, 2568
LUPINUS SELLULUS VAR. ELATUS EASTWOOD 1942, 1238
LUPINUS SERICATUS KELLOGG 1877, 2580
LUPINUS SONOMENSIS HELLER 1941, 1818
LUPINUS SPECTABILIS HOOVER 1938, 1916
LUPINUS STIVERII KELLOGG 1863, 2507
LUPINUS SUBLANATUS EASTWOOD 1942, 1238
LUPINUS TEGETICULATUS EASTWOOD 1940, 1225
LUPINUS TRACYI EASTWOOD 1940, 1226
LUPINUS UMBELLATUS GREENE 1886, 1641
LUPINUS UNCIALIS VAR. CRYPTANTHUS EASTWOOD 1943, 1241
LUPINUS URSINUS EASTWOOD 1946, 1261
LUPINUS VANDYKEAE EASTWOOD 1943, 1241
LUPINUS VIOLACEUS VAR. DELNORTENSIS EASTWOOD 1944, 1249
LUPINUS VIOLACEUS VAR. SHASTENSIS EASTWOOD 1944, 1249
LUPINUS WENATCHENSIS EASTWOOD 1942, 1238
LUPINUS WHILTONAE EASTWOOD 1942, 1237
LUTIANUS HUDSONI EVERMANN & SHAW 1927, 1400
LUZULA MULTIFLORA VAR. COMOSA (MEY.) ST.JOHN 1960 [COMB. NOV.], 3351
LYCAENA AEHAJA BEHR 1867, 345
LYCAENA ARGYROTOXUS BEHR 1867, 345
LYCAENA BATTOIDES BEHR 1867, 345
LYCAENA CALCHAS BEHR 1867, 345
LYCAENA CILLA BEHR 1867, 345
LYCAENA DAEDALUS BEHR 1867, 345
LYCAENA LORQUINI BEHR 1867, 345
LYCAENA PARDALIS BEHR 1867, 345
LYCENCHELYS, 58
LYCENCHELYS CALLISTA ANDERSON 1995, 58
LYCENCHELYS CHAULIODUS ANDERSON 1995, 58
LYCENCHELYS FOLLETTI ANDERSON 1995, 58
LYCENCHELYS HADROGENEIA ANDERSON 1995, 58
LYCENCHELYS LONCHOURA ANDERSON 1995, 58
LYCENCHELYS PEARCYI ANDERSON 1995, 58
LYCENCHELYS PENTACTINA ANDERSON 1995, 58
LYCENCHELYS PEQUENOI ANDERSON 1995, 58
LYCENCHELYS PERUANA ANDERSON 1995, 58
LYCHNIS, 3328
LYCIUM VERRUCOSUM EASTWOOD 1898, 1125
LYCODON, 3437
LYCODON ZAWI SLOWINSKI & PAWAR & HTUN WIN & THIN THIN & SAI WUNNA KYI & SAN LWIN OO & HLA TUN 2001, 3437
LYCOENA SPECIOSA EDWARDS 1877, 1301
LYCOPERDON SCULPTUM HARKNESS 1885, 1774
LYCOPODIUM, 43
LYCOSA PACIFICA BANKS 1904, 260
LYCTOCORIS DORIS VAN DUZEE 1921, 3800
LYGIA SEPTENTRIONALIS LOCKINGTON 1877, 2751
LYGIDEA ESSIGI VAN DUZEE 1925, 3804
LYGIDEA SOLIVAGA VAN DUZEE 1921, 3798
LYGIRUS BRYANTI RIVERS 1891, 3264
LYGOSAURUS PELLOPLEURUS BROWNI VAN DENBURGH 1912, 3767
LYGOSOMA (SPHENOMORPHUS) PALAWANENSIS BROWN & ALCALA 1961, 609
LYGUS ABRONIAE VAN DUZEE 1918, 3796
LYGUS HOSPITUS SONORAENSIS VAN DUZEE 1923, 3802
LYGUS VIVIDUS UHLER 1894, 3728
LYMMAEA KERRI HANNA 1923, 1726
LYMNAEA FILOCOSTA HANNA 1923, 1726
LYMNAEA LIMATULA HANNA 1923, 1726
LYMNAEA PETALUMA HANNA 1923, 1726
LYNGBYA ADHERENS SETCHELL & GARDNER 1937, 3389
LYNGBYA CODICOLA SETCHELL & GARDNER 1937, 3389
LYNGBYA CONSOCIATA SETCHELL & GARDNER 1937, 3389
LYNGBYA EPIZOOICA SETCHELL & GARDNER 1937, 3389
LYNGBYA ERECTA SETCHELL & GARDNER 1930, 3388
LYNGBYA KUETZINGIANA PACIFICA SETCHELL & GARDNER 1937, 3389
LYNGBYA PROSTRATA SETCHELL & GARDNER 1937, 3389
LYNGBYA SINUOSA SETCHELL & GARDNER 1937, 3389
LYNGBYA WILLEI GALAPAGENSIS SETCHELL & GARDNER 1937, 3389
LYONOTHAMNUS ASPLENIFOLIUS GREENE 1885, 1636
LYRIA ANDERSONI WARING 1917, 3858
LYRIA HANNIBALI WARING 1917, 3858
LYROCARPA XANTI BRANDEGEE 1889, 524
LYSIANASSA FISHERI LOCKINGTON 1877, 2751
LYSILOMA CANDIDA BRANDEGEE 1889, 524
LYSIOPETALUM TIBURONUM CHAMBERLIN 1923, 716
LYSTRONYCHUS CHAMPIONI HORN 1894, 1935
LYTHRULON OPALESCENS JORDAN & STARKS 1895, 2333
LYTHRUM BRYANTI BRANDEGEE 1889, 524
LYTOCERAS ALAMEDENSE SMITH 1898, 3462
LYTOCERAS ANGULATUM ANDERSON 1902, 44
LYTOCERAS ARGONAUTARUM ANDERSON 1902, 44
LYTOCERAS JACKSONENSE ANDERSON 1902, 44
LYTORHYNCHUS DIADEMA ARABICUS HAAS 1957, 1713

MACHAERANTHERA GLABRIUSCULA VAR. CONFERTIFOLIA CRONQUIST 1963, 905
MACHAERANTHERA TORTIFOLIA VAR. IMBERBIS CRONQUIST 1963, 905
MACHILIS AURANTIACUS SCHÖTT 1896, 3370
MACHIMUS ACUTUS MARTIN 1975, 2831
MACHIMUS ADUSTUS MARTIN 1975, 2831
MACHIMUS BREVIS MARTIN 1975, 2831
MACHIMUS CANCERAE MARTIN 1975, 2831
MACHIMUS CERASINUS MARTIN 1975, 2831
MACHIMUS COLEUS MARTIN 1975, 2831
MACHIMUS GRANTAE MARTIN 1975, 2831
MACHIMUS GUTTATUS MARTIN 1975, 2831
MACHIMUS LATAPAX LATAPAX MARTIN 1975, 2831
MACHIMUS LONGIPENIS MARTIN 1975, 2831
MACHIMUS MCALPINEI MARTIN 1975, 2831
MACHIMUS NOTIALIS MARTIN 1975, 2831
MACHIMUS ORIENS MARTIN 1975, 2831
MACHIMUS PAINTERI MARTIN 1975, 2831
MACHIMUS SESTERTIUS SESTERTIUS MARTIN 1975, 2831
MACHIMUS SESTERTIUS TRITON MARTIN 1975, 2831
MACHIMUS STANFORDAE MARTIN 1975, 2831
MACHIMUS SUBMACULUS MARTIN 1975, 2831
MACHIMUS TRUNCATUS MARTIN 1975, 2831
MACHIMUS VENTRALIS MARTIN 1975, 2831
MACOMA INDENTATA CARPENTER 1865, 700
MACOMA VITICOLA ANDERSON & HANNA 1925, 51
MACRANCYLUS GRACILIS VAN DYKE 1953, 3818
MACRARENE CORONADENSIS STOHLER 1959, 3577
MACRATEEIA ATRA MALLOCH 1919, 2814
MACROBASIS LANGUIDA HORN 1895, 1936
MACROBASIS TENUILINEATA HORN 1894, 1935
MACROCALLISTA ANDERSONI DICKERSON 1915, 1057
MACROCALLISTA CORDATA WARING 1917, 3858
MACROCALLISTA STANTONI WARING 1917, 3858
MACROCALLISTA VADERENSIS DICKERSON 1915, 1057
MACROCERA CLAVINERVIS VAN DUZEE 1928, 3813
MACROCERA HIRTIPENNIS VAN DUZEE 1928, 3813
MACROLOPHUS INNOTATUS CARVALHO 1968, 706
MACROLOPHUS PUNCTATUS CARVALHO 1968, 706
MACRON HARTMANNI HERTLEIN & JORDAN 1927, 1873
MACROPNEUSTES DUBIUS ISRAELSKY 1924, 2262
MACROPNEUSTES MEXICANUS DICKERSON & KEW 1917, 1063
MACRORA HANNA 1932, 1737
MACRORHYNCHUS ANGUSTIFOLIUS KELLOGG 1873, 2569
MACRORHYNCHUS HARFORDII KELLOGG 1873, 2569
MACROSIPHONIA HESPERIA JOHNSTON 1924, 2313
MACROSIPHUM CHILENSIS ESSIG 1953, 1375
MACROSIPHUM EDROSSI ESSIG 1953, 1375
MACROSIPHUM HAGI ESSIG & KUWANA 1918, 1376
MACROSIPHUM HUANTANA ESSIG 1953, 1375
MACROSIPHUM IBOTUM ESSIG & KUWANA 1918, 1376
MACROSIPHUM MUERMOSA ESSIG 1953, 1375
MACROSIPHUM NIPPONICUM ESSIG & KUWANA 1918, 1376
MACROSIPHUM NISHIGAHARAE ESSIG & KUWANA 1918, 1376
MACROSIPHUM NUBLE ESSIG 1953, 1375
MACROSIPHUM TUCUMANI ESSIG 1953, 1375
MACROTHEMIS INEQUIUNGUIS CALVERT 1895, 674
MACROTYLUS ANGULARIS UHLER 1894, 3728
MACROTYLUS INTERMEDIUS VAN DUZEE 1917, 3795
MACROTYLUS LINEOLATUS UHLER 1894, 3728
MACROTYLUS VERTICALIS UHLER 1894, 3728
MACROURIDAE, 2264, 2266, 2269, 2277
MACTRA ATLANTICOLA ANDERSON 1929, 50
MACTRA GABBIANA ANDERSON 1902, 44
MACTRA SECTORIS ANDERSON & MARTIN 1914, 53
MADAGASCAR, 68, 69, 669, 874, 875, 984, 1079, 1441, 1442, 1658, 1673, 1875, 1876, 2770, 2919, 2920, 2940, 3161, 3407, 3489, 3880
MADAGASCAR RIDGE, 2271
MADIA RADIATA KELLOGG 1872, 2521
MADIA RAMMII GREENE 1885, 1634
MADIA VALIDA BRANDEGEE 1893, 559
MADIA VILLOSA EASTWOOD 1902, 1141
MAGADHA CERVINA FENNAH 1956, 1423
MAGADHA DENTICULATA FENNAH 1956, 1423
MAGADHA METASEQUOIAE FENNAH 1956, 1423
MAGNETIC DECLINATION, 3182
MAGUSA EREMA HAYES 1975, 1804
MAHAFALYTENUS FOHY SILVA-DAVILA 2007, 3407
MAHAFALYTENUS FO SILVA-DAVILA 2007, 3407
MAHAFALYTENUS HAFA SILVA-DAVILA 2007, 3407
MAHAFALYTENUS ISALO SILVA-DAVILA 2007, 3407
MAHAFALYTENUS OSY SILVA-DAVILA 2007, 3407
MAHAFALYTENUS PAOSY SILVA-DAVILA 2007, 3407
MAHAFALYTENUS SILVA-DAVILA 2007, 3407
MAHAFALYTENUS TSILO SILVA-DAVILA 2007, 3407
MAHONIA AMPLECTENS EASTWOOD 1931, 1146
MAIRA WHITNEYI CURRAN 1936, 914
MAIRA WILLOWSI CURRAN 1936, 914
MAKAIRA GRAMMATICA JORDAN & EVERMANN 1926, 2338
MAKAIRA HOLEI JORDAN & EVERMANN 1926, 2338
MAKAIRA MARLINA JORDAN & HILL 1926, 2338
MAKAIRA ZELANDICA JORDAN & EVERMANN 1926, 2338
MALACHIUS ACUTIPENNIS HALL 1901, 1718
MALACHIUS DIRECTUS HALL 1901, 1718
MALACHIUS INORNATUS HALL 1901, 1718
MALACHIUS NIGRINUS HALL 1901, 1718

MALACHIUS PRISTINUS HALL 1901, 1718
MALACHIUS PROLIXICORNIS HALL 1901, 1718
MALACOSEMBIA ROSS 2001, 3308
MALACOSEMBIA TUCUMANA ROSS 2001, 3308
MALACOSEMBIA YUNGAE ROSS 2001, 3308
MALACOTHAMNUS ABBOTTII (EASTW.) KEARNEY 1951 [COMB. NOV.], 2371
MALACOTHAMNUS CLEMENTINUS (MUNZ & JOHNST.) KEARNEY 1951 [COMB. NOV.], 2371
MALACOTHAMNUS DENSIFLORUS VAR. VISCIDUS (ABRAMS) KEARNEY 1951 [COMB. NOV.], 2371
MALACOTHAMNUS FASCICULATUS VAR. CATALINENSIS (EASTW.) KEARNEY 1951 [COMB. NOV.], 2371
MALACOTHAMNUS FASCICULATUS VAR. LAXIFLORUS (GRAY) KEARNEY 1951 [COMB. NOV.], 2371
MALACOTHAMNUS FASCICULATUS VAR. NESIOTICUS (ROBINS.) KEARNEY 1951 [COMB. NOV.], 2371
MALACOTHAMNUS FOLIOSUS (WATS.) KEARNEY 1951 [COMB. NOV.], 2371
MALACOTHAMNUS GRACILIS (EASTW.) KEARNEY 1951 [COMB. NOV.], 2371
MALACOTHAMNUS HALLII (EASTW.) KEARNEY 1951 [COMB. NOV.], 2371
MALACOTHAMNUS HELLERI (EASTW.) KEARNEY 1951 [COMB. NOV.], 2371
MALACOTHAMNUS HOWELLII (EASTW.) KEARNEY 1951 [COMB. NOV.], 2371
MALACOTHAMNUS JONESII (MUNZ) KEARNEY 1951 [COMB. NOV.], 2371
MALACOTHAMNUS MENDOCINENSIS (EASTW.) KEARNEY 1951 [COMB. NOV.], 2371
MALACOTHAMNUS NIVEUS (EASTW.) KEARNEY 1951 [COMB. NOV.], 2371
MALACOTHAMNUS PALMERI VAR. INVOLUCRATUS (ROBINS.) KEARNEY 1951 [COMB. NOV.], 2371
MALACOTHAMNUS PALMERI VAR. LUCIANUS KEARNEY 1955, 2380
MALACOTHAMNUS PANICULATUS (GRAY) KEARNEY 1951 [COMB. NOV.], 2371
MALACOTHAMNUS PARISHII (EASTW.) KEARNEY 1951 [COMB. NOV.], 2371
MALACOTHRIX ALTISSIMA GREENE 1885, 1636
MALACOTHRIX IMPLICATA EASTWOOD 1898, 1125
MALACOTHRIX INDECORA GREENE 1886, 1641
MALACOTHRIX INSULARIS GREENE 1885, 1636
MALACOTHRIX SQUALIDA GREENE 1886, 1641
MALAYSIA, 1074
MALI, 1587, 3163
MALLOPHAGA, 1434, 2591, 2592, 2593, 2595, 2737
MALPELO ISLAND, 742, 3423
MALPIGHIA DIVERSIFOLIA BRANDEGEE 1901, 565
MALTA, 219
MALTHODES LUCANUS HORN 1895, 1936
MALVACEAE, 1483, 2370, 2372, 2377
MALVASTRUM, 1191, 2367, 2375
MALVASTRUM ABBOTTII EASTWOOD 1936, 1191
MALVASTRUM CATALINENSE EASTWOOD 1936, 1191
MALVASTRUM DIMORPHUM HOWELL 1935, 1981
MALVASTRUM DUDLEYI EASTWOOD 1936, 1191
MALVASTRUM FRAGRANS EASTWOOD 1936, 1191, 1194
MALVASTRUM GRACILE EASTWOOD 1936, 1191
MALVASTRUM HALLII EASTWOOD 1936, 1191
MALVASTRUM HELLERI EASTWOOD 1936, 1191
MALVASTRUM HOWELLII EASTWOOD 1936, 1191
MALVASTRUM HOWELLII VAR. CORDATUM EASTWOOD 1936, 1191
MALVASTRUM INSULARE KEARNEY 1952, 2372
MALVASTRUM MENDOCINENSE EASTWOOD 1939, 1217
MALVASTRUM NIVEUM EASTWOOD 1936 [SUB. NAME], 1194
MALVASTRUM PARISHII EASTWOOD 1936, 1191
MALVASTRUM SPLENDIDUM KELLOGG 1855, 2444, 2555
MALVAVISCUS RIVULARIS BRANDEGEE 1905, 573
MAMILLARIA ARMILLATA BRANDEGEE 1900, 517
MAMILLARIA HALEI BRANDEGEE 1889, 524
MAMILLARIA LENTA BRANDEGEE 1904, 522
MAMILLARIA PETROPHILA BRANDEGEE 1904, 522
MAMILLARIA ROSEANA BRANDEGEE 1891, 544
MAMILLARIA VENUSTA BRANDEGEE 1900, 517
MAMMALOGY, 632, 633, 635, 646, 1819, 2899, 3623
MAMMALS, 91, 152, 156, 159, 199, 203, 206, 308, 376, 377, 451, 462, 468, 500, 632, 633, 635, 640, 643, 646, 647, 648, 650, 655, 685, 763, 817, 1039, 1584, 1666, 1669, 1670, 1717, 1724, 1794, 1819, 1942, 1943, 2238, 2296, 2405, 2590, 2666, 2804, 2805, 2807, 2809, 2810, 2811, 2824, 2832, 2883, 2898, 2899, 2940, 3009, 3030, 3031, 3032, 3033, 3034, 3036, 3037, 3143, 3153, 3154, 3244, 3321, 3396, 3562, 3590, 3591, 3619, 3623, 3636, 3637, 3669, 4029, 4030
MAMMALS (MARINE), 468, 942, 1032, 1754, 2330, 2667, 2668, 3039, 3040, 3041, 3143, 3144, 3172, 3363
MANGELIA HANCOCKI HERTLEIN & STRONG 1939, 1863
MANGELIA HEXAGONA GABB 1865, 1492
MANGELIA INTERLIRATA STEARNS 1873, 3530
MANGILIA BRANNERI ARNOLD 1903, 126
MANGILIA FIBRATA ANDERSON & HANNA 1925, 51
MANGILIA HOOVERI ARNOLD 1903, 126
MANGILIA HOWEI ANDERSON & MARTIN 1914, 53
MANGILIA KERNENSIS ANDERSON & MARTIN 1914, 53
MANGILIA OLDROYDI ARNOLD 1903, 126
MANGILIA PAINEI ARNOLD 1903, 126
MANGILIA STRONGI ARNOLD 1903, 126

MANIRAPTORA GAUTHIER 1986, 1515
MAQUILINGIA MALAITA CURRAN 1936, 914
MAQUILINGIA MATEMA CURRAN 1936, 914
MARACANSULA MINIMA BANKS 1942, 262
MARA CONFERVICOLA STIMPSON 1856, 3572, 3573
MARAH MINIMA KELLOGG 1859, 2466
MARAH MURICATUS KELLOGG 1855, 2423, 2534
MARGARITA ACUTICOSTATA CARPENTER 1864, 698
MARGARITANA SUBANGULATA COOPER 1894, 859
MARGARITA VORTICIFERA DALL 1873, 944
MARGARITES KEEPI SMITH & GORDON 1948, 3449
MARGINELLA ADUMBRATA ANDERSON & HANNA 1925, 51
MARGINELLA OLDROYDAE JORDAN 1926, 2345
MARGUS REPLETUS VAN DUZEE 1925, 3804
MARIANAS ISLANDS, 617, 3772
MARICOPODYNERUS PERMANDIBULARIS BOHART 1948, 472
MARICOPODYNERUS PULVIPILUS BOHART 1948, 472
MARINE BIOLOGY, 707, 3246
MARINE ORGANISMS, 1419, 1632, 2260, 2600, 2994, 2995, 3086, 3135, 3248, 3635, 3883, 3990
MARIONIA BATHYCAROLINENSIS SMITH & GOSLINER 2005, 3471
MARIPOSA, 1921
MARIPOSA ARGILLOSA HOOVER 1944, 1921
MARIPOSA CATALINAE (WATSON) HOOVER 1944 [COMB. NOV.], 1921
MARIPOSA CLAVATA VAR. PALLIDA HOOVER 1964, 1929
MARIPOSA CLAVATA (WATSON) HOOVER 1944 [COMB. NOV.], 1921
MARIPOSA LEICHTLINII (HOOKER) HOOVER 1944 [COMB. NOV.], 1921
MARIPOSA LUTEA (DOUGLAS) HOOVER 1944 [COMB. NOV.], 1921
MARIPOSA MACROCARPA (DOUGLAS) HOOVER 1944 [COMB. NOV.], 1921
MARIPOSA PRATENSIS (DOUGLAS) HOOVER 1944 [COMB. NOV.], 1921
MARIPOSA SIMULANS HOOVER 1944, 1921
MARIPOSA SPLENDENS (DOUGLAS) HOOVER 1944 [COMB. NOV.], 1921
MARIPOSA SUBPRBA (PURDY) HOOVER 1944 [COMB. NOV.], 1921
MARIPOSA VENUSTA (DOUGLAS) HOOVER 1944 [COMB. NOV.], 1921
MARIPOSA (WOOD) HOOVER 1944, 1921
MARQUESAS ISLANDS, 3177
MARSDENIA PARVIFOLIA BRANDEGEE 1908, 575
MARSONIA ONICERAE HARKNESS 1884, 1773
MARSONNIA NEILLIAE HARKNESS 1884, 1773
MASARIS MACULIFRONS FOX 1893, 1464
MASCARENE RIDGE, 2268
MASEOCHARA CALIFORNICA CASEY 1885, 708
MASONOPHYCUS PARADOXA SETCHELL & GARDNER 1930, 3388
MASONOPHYCUS SETCHELL & GARDNER 1930, 3388
MASSACHUSETTS, 3219, 3989
MASSARIA CLEISTOTHECA HARKNESS 1884, 1773
MASSARIA PULCHRA HARKNESS 1884, 1773
MASTACEMBELUS NOTOPHTHALMUS ROBERTS 1989, 3279
MASTIGOCOLEUS CORALLINAE SETCHELL & GARDNER 1937, 3389
MASTIGOPHORA, 2817, 2818, 2819, 2820, 2821
MASTINOCERUS OPACULUS HORN 1895, 1936
MASTOGENIUS CUNEATICOLLIS VAN DYKE 1953, 3818
MASTOGENIUS GALAPAGOENSIS VAN DYKE 1953, 3818
MATAEOCEPHALUS CRISTATUS SAZONOV & SHCHERBACHEV & IWAMOTO 2003, 3362
MATAEOCEPHALUS KOTLYARI SAZONOV & SHCHERBACHEV & IWAMOTO 2003, 3362
MATHEMATICS, 996, 997, 998, 999, 1001, 1065, 1066, 1067, 1797, 1798, 3931
MATRICARIA OCCIDENTALIS GREENE 1886, 1641
MAURANDIA PURPUSII BRANDEGEE 1908, 577
MAURANDYA FLAVIFLORA JOHNSTON 1924, 2313
MAURANDYA ROSEI MUNZ 1926, 2967
MAURITIUS, 1441
MECAS CIRROSA CHEMSAK & LINSLEY 1973, 738
MECAS MENTHAE CHEMSAK & LINSLEY 1973, 738
MECOMMA ANTENNATA VAN DUZEE 1917, 3795
MECONELLA DENTICULATA GREENE 1886, 1639, 1640
MECOPTERA, 696, 3106, 3109
MEDETERUS ABERRANS WHEELER 1899, 3889
MEDETERUS ABRUPTUS VAN DUZEE 1919, 3808
MEDETERUS AENEUS VAN DUZEE 1919, 3808
MEDETERUS AEQUALIS VAN DUZEE 1919, 3808
MEDETERUS APPENDICULATUS WHEELER 1899, 3889
MEDETERUS AURIVITTATUS WHEELER 1899, 3889
MEDETERUS CALIFORNIENSIS WHEELER 1899, 3889
MEDETERUS CUNEIFORMIS VAN DUZEE 1919, 3808
MEDETERUS CYANOGASTER WHEELER 1899, 3889
MEDETERUS DISTINCTUS VAN DUZEE 1919, 3808
MEDETERUS FALCATUS VAN DUZEE 1919, 3808
MEDETERUS FLAVIPES VAN DUZEE 1919, 3808
MEDETERUS FRONTALIS VAN DUZEE 1919, 3808
MEDETERUS HALTERALIS VAN DUZEE 1919, 3808
MEDETERUS LONGINQUUS VAN DUZEE 1919, 3808
MEDETERUS MAURUS WHEELER 1899, 3889
MEDETERUS NITIDIVENTRIS VAN DUZEE 1919, 3808
MEDETERUS NOVUS VAN DUZEE 1919, 3808
MEDETERUS OBESUS VAN DUZEE 1919, 3808

MEDETERUS OBSCURIPENNIS VAN DUZEE 1919, 3808
MEDETERUS OREGONENSIS VAN DUZEE 1919, 3808
MEDETERUS PETULCUS WHEELER 1899, 3889
MEDETERUS PLANIPES VAN DUZEE 1919, 3808
MEDETERUS PRINCEPS WHEELER 1899, 3889
MEDETERUS SIMILIS VAN DUZEE 1919, 3808
MEDETERUS VIDUUS WHEELER 1899, 3889
MEDETERUS VITTATUS VAN DUZEE 1919, 3808
MEDETERUS XEROPHILUS WHEELER 1899, 3889
MEDICAGO, 2111, 2150, 3102
MEDICINE, 701, 1419, 1632, 2260, 2600, 2840, 2947, 2994, 2995, 3086, 3135, 3248, 3365, 3605, 3635, 3826, 3883
MEDICINE (VETERINARY), 3589
MEDITERRANEAN REGION, 219, 267, 707, 1431, 1450, 1526, 1530, 1537, 1612, 1678, 2837, 3018, 3111, 3121, 3147, 3737, 3838
MEGACHASMA PELAGIOS TAYLOR & CAMPAGNO & STRUHSAKER 1983, 3634
MEGACHASMA TAYLOR & CAMPAGNO & STRUHSAKER 1983, 3634
MEGACHILE ADELPHODONTA COCKERELL 1924, 775
MEGACHILE BRACHYSOMA COCKERELL 1924, 775
MEGACHILE DISCORHINA COCKERELL 1924, 775
MEGACHILE ESTEBANA COCKERELL 1924, 775
MEGACHILE LOBATIFRONS COCKERELL 1924, 775
MEGACHILE OCCIDNETALIS FOX 1894, 1465
MEGACHILE ODONTOSTOMA COCKERELL 1924, 775
MEGACHILE SLEVINI COCKERELL 1924, 775
MEGACHILE SONORANA COCKERELL 1924, 775
MEGACHILE TIBURONENSIS COCKERELL 1924, 775
MEGACHILE VANDUZEI COCKERELL 1924, 775
MEGACHILE VANDYKEI COCKERELL 1925, 776
MEGACILISSA THORACICA FOX 1895, 1466
MEGACINA MAYACMA UBICK & BRIGGS 2008, 3727
MEGACINA SCHUSTERI UBICK & BRIGGS 2008, 3727
MEGACOELUM CATULUM UHLER 1894, 3728
MEGALOCEROEA KOEBELEI VAN DUZEE 1921, 3798
MEGALOPTERA, 3046, 3109
MEGALORCHESTIA FRANCISCANA LOCKINGTON 1877, 2751
MEGAMYRMECION ASCETICUM CHAMBERLIN 1924, 717
MEGAMYRMECION NATURALISTICUM CHAMBERLIN 1924, 717
MEGAMYRMECION NESIOTES CHAMBERLIN 1924, 717
MEGAMYRMECION PESSIMISTICUM CHAMBERLIN 1924, 717
MEGAPENTHES MEGALOPS VAN DYKE 1932, 3816
MEGAPENTHES VARIOLATUS VAN DYKE 1932, 3816
MEGASATTUS ARANEOSUS BLAISDELL 1923, 405
MEGASATTUS EROSUS MANUELIS BLAISDELL 1923, 405
MEGASATTUS LAEVIVENTRIS BLAISDELL 1923, 405
MEGASATTUS STERNALIS BLAISDELL 1923, 405
MEGOMPHIX CALIFORNICUS SMITH 1960, 3442
MELALEUCA, 1150, 1159, 1160, 1166
MELAMPODIUM CANESCENS BRANDEGEE 1905, 573
MELAMPODIUM GEMINATUM BRANDEGEE 1905, 573
MELAMPODIUM PARVULUM BRANDEGEE 1908, 577
MELAMPODIUM SINUATUM BRANDEGEE 1891, 541
MELANACTES AGRYPNOIDES VAN DYKE 1932, 3816
MELANASTUS OBSCURUS BLAISDELL 1923, 405
MELANATRIA GESTERI HANNA & ISRAELSKY 1925, 1753
MELANELLA ACUELLA ANDERSON & HANNA 1925, 51
MELANELLA KARSTENI ANDERSON 1928, 49
MELANELLA LOLETA JORDAN 1926, 2345
MELANESIA, 914, 1034, 3380, 3384, 3427
MELANIA PACKARDI DICKERSON 1915, 1057
MELANIA VADERENSIS DICKERSON 1915, 1057
MELANIELLA EISENIANA COOPER 1893, 857
MELANIELLA TASTENSIS COOPER 1894, 858
MELANOCHELIA HIRTICAUDA MALLOCH 1921, 1759
MELANOCHELIA IMMACULIVENTRIS MALLOCH 1923, 2815
MELANOCHELIA SANCTIPAULI MALLOCH 1921, 1759
MELANOCHELIA SPINICOSTA MALLOCH 1921, 1759
MELANOCORIS NIGRICORNIS VAN DUZEE 1921, 3800
MELANOCORYPHUS RUBICOLLIS UHLER 1894, 3728
MELANOGASTER EISENII HARKNESS 1899, 1789
MELANOPHYCEAE, 3384
MELARHIZA INULOIDES KELLOGG 1855, 2422, 2533
MELARHIZA KELLOGG 1855, 2422, 2533
MELASTOMATACEAE, 27, 29, 30, 31, 36, 2640, 2908
MELASTOMATACEAE:BLAKEEAE, 3104
MELASTOMATACEAE: MERIANIEAE, 33
MELASTOMATACEAE: MICONIEAE, 32, 34, 37, 38, 2638, 2639
MELASTOMATACEAE:TIBOUCHINEAE, 3661
MELIBE DIGITATA GOSLINER & SMITH 2003, 1616
MELIBE MINUTA GOSLINER & SMITH 2003, 1616
MELIBE TUBERCULATA GOSLINER & SMITH 2003, 1616
MELICA, 2196
MELICA ACUMINATA BOLANDER 1870, 482
MELICA FUGAX BOLANDER 1870, 482
MELICA GEYERI VAR. ARISTULATA HOWELL 1946, 2082

MELICA HARFORDII BOLANDER 1870, 482
MELICA HARFORDII VAR. ARISTATA (THURB. EX BOL.) HOOVER 1966 [COMB. NOV.], 1934
MELICA INPERFECTA VAR. FLEXUOSA BOLANDER 1870, 482
MELICA POAEOIDES VAR. INFLATA BOLANDER 1870, 482
MELICA STRICTA BOLANDER 1863, 476, 482
MELICLEPTRIA FASCIATA EDWARDS 1875, 1288
MELICLEPTRIA OREGONICA EDWARDS 1875, 1288
MELINIAMEXICANA BRANDEGEE 1905, 573
MELINNA ELONGATA UHLER 1894, 3728
MELIOSMA NESITES JOHNSTON 1931, 2314
MELIPOTIS ACONTIODES PRODUCTA HAYES 1975, 1804
MELISSODES CALLOPHILA COCKERELL 1923, 774
MELISSODES CALLOPHILA NANULA COCKERELL 1923, 774
MELISSODES CATALINENSIS VADUZEEI COCKERELL 1923, 774
MELISSODES COMMUNIS GRATIOR COCKERELL 1923, 774
MELISSODES IDONEA COCKERELL 1923, 774
MELISSODES SCOTI COCKERELL 1939, 779
MELITAEA CAMPESTRIS BEHR 1863, 341
MELITAEA COLLINA BEHR 1863, 341
MELITAEA COOPERI BEHR 1863, 341
MELITAEA GABBII BEHR 1863, 341
MELITAEA HOFFMANNI BEHR 1863, 341
MELITAEA MACGLASHANII RIVERS 1888, 3260
MELITAEA MONTANA BEHR 1863, 341
MELITAEA NUBIGENA BEHR 1863, 341
MELITAEA PRATENSIS BEHR 1863, 341
MELITAEA QUINO BEHR 1863, 341
MELITAEA WHITNEYI BEHR 1863, 341
MELONGENA CALIFORNICA ANDERSON & MARTIN 1914, 53
MELONGENA PROPATULUS ANDERSON 1929, 50
MELOSIRA GEOMETRICA HANNA 1932, 1737
MELOSPIZA FASCIATA RIVULARIS BRYANT 1888, 631
MEMMONIA SIMPLEX VAN DUZEE 1917, 3795
MEMORIAL, 74, 77, 78, 120, 354, 366, 673, 929, 1878, 1879, 1895, 1896, 2585, 2675, 3519, 3531, 3547, 3549, 3550, 3551, 3553, 3548
MENDOCINO REGION, 2583, 3459
MENIPEA OCCIDENTALIS TRASK 1857, 3685, 3703
MENKENINA BERRYI CHURCH 1968, 751
MENOPON AURI-FASCIATUM KELLOGG 1899, 2593
MENOPON DECORATUM KELLOGG 1896, 2592
MENOPON DISSIMILE KELLOGG 1896, 2592
MENOPON DISTINCTUM KELLOGG & CHAPMAN 1899, 2595
MENOPON FUNEREUM KELLOGG & CHAPMAN 1899, 2595
MENOPON INCERTUM KELLOGG 1896, 2592
MENOPON INDISTINCTUM KELLOGG 1896, 2591
MENOPON INFREQUENS KELLOGG 1896, 2591
MENOPON IRRUMPENS KELLOGG & CHAPMAN 1899, 2595
MENOPON LONGICEPHALUM KELLOGG 1896, 2592
MENOPON LOOMISII KELLOGG 1896, 2591
MENOPON MAESTUM KELLOGG & CHAPMAN 1899, 2595
MENOPON MELANORUM KELLOGG 1896, 2592
MENOPON MONOSTOECHUM KELLOGG 1896, 2592
MENOPON NAVIGANS KELLOGG 1896, 2591
MENOPON NUMEROSUM KELLOGG 1896, 2591
MENOPON PAULULUM KELLOGG & CHAPMAN 1899, 2595
MENOPON PERSIGNATUM KELLOGG & CHAPMAN 1899, 2595
MENOPON PETULANS KELLOGG & CHAPMAN 1899, 2595
MENOPON RIDULOSUM KELLOGG & CHAPMAN 1899, 2595
MENOPON ROBUSTUM KELLOGG 1896, 2592
MENOPON STRIATUM KELLOGG 1899, 2593
MENTZELIA, 286, 1577, 2025
MENTZELIA CORDATA KELLOGG 1859, 2471
MENTZELIA CROCEA KELLOGG 1877, 2581
MENTZELIA MOLLIS PECK 1945, 3092
MENTZELIA PECTINATA KELLOGG 1863, 2515
MENTZELIA PTEROSPERMA EASTWOOD 1896, 1122
MENTZELIA TORREYI VAR. ACEROSA (JONES) BARNEBY 1947 [COMB. NOV.], 286
MENTZELIA VEATCHIANA KELLOGG 1861, 2486
MENZIES (ARCHIBALD), 1206
MERETRIX TEJONENSIS DICKERSON 1915, 1057
MERETROSULUS GRACILIS HANNA 1927, 1734
MERETROSULUS HANNA 1927, 1734
MERIANIA ODORATA ALMEDA 1993, 33
MERLANGUS PRODUCTUS AYRES 1855, 161, 208
MEROSARGUS INSULARIS CURRAN 1934, 913
MERRAGATA SLOSSONI VAN DUZEE 1921, 3798
MERRIAMASTER WEAVERI DURHAM & MORGAN 1978, 1105
MERTENSIA STOMATECHOIDES KELLOGG 1862, 2496
MESALIA(?) TENUISCULPTA CARPENTER 1866, 700
MESAMIA DIANA VAN DUZEE 1925, 3804
MESAMIA PAGANA VAN DUZEE 1925, 3804
MESEMBIA CATEMACOA ROSS 1984, 3304
MESEMBIA CHAMULAE ROSS 1984, 3304
MESEMBIA PICO ROSS 2003, 3310
MESITIUS NIGROPILOSUS ASHMEAD 1895, 130
MESOAMERICA (see also CENTRAL AMERICA), 2640
MESOBIUS ANTIPODUM HUBBS & IWAMOTO 1977, 2243
MESOBIUS BERRYI HUBBS & IWAMOTO 1977, 2243
MESOBIUS HUBBS & IWAMOTO 1977, 2243
MESOCENA CORONA HANNA 1970, 1743

MESODICTYOPSIS ACADEMICUS KHURSEVICH & IWASHITA & KOCIOLEK & FEDENYA 2004, 2611
MESODICTYOPSIS BAICALENSIS KHURSEVICH & IWASHITA & KOCIOLEK & FEDENYA 2004, 2611
MESODICTYOPSIS KHURSEVICH & IWASHITA & KOCIOLEK & FEDENYA 2004, 2611
MESODICTYOPSIS MEDIUS KHURSEVICH & IWASHITA 2004, 2611
MESODICTYOPSIS PECULIARIS KHURSEVICH & KOCIOLEK & FEDENYA 2004, 2611
MESODICTYOPSIS SIMILIS KHURSEVICH & FEDENYA 2004, 2611
MESODICTYOPSIS SINGULARIS KHURSEVICH & IWASHITA & FEDENYA 2004, 2611
MESODON (DOEDALOCHILA) HARFORDIANA COOPER 1875, 841
MESOGRAMMA CROCKERI CURRAN 1934, 913
MESOMYIA PHILIP 1960, 3116
MESOSTENUS EISENII ASHMEAD 1894, 129
MESOZOIC, 44, 52, 76, 751, 863, 890, 924, 1734, 2817, 2902, 3447, 3462, 3463, 3464, 3681, 3698
METACHROMA INSULARE FALL 1927, 1417
METACOLASPIS CONSPERSA HORN 1895, 1936
METACOLASPIS HORN 1895, 1936
METACORONYMPHA KIRBY 1939, 2614
METACORONYMPHA SENTA KIRBY 1939, 2614
METACYRBA SIMILIS BANKS 1904, 260
METALIA CUMMINSI DICKERSON & KEW 1917, 1063
METALLATA ABSUMENS CONTIGUATA HAYES 1975, 1804
METANONYCHUS BRIGGS 1971, 590
METANONYCHUS IDAHOENSIS BRIGGS 1971, 590
METANONYCHUS NIGRICANS NIGRICANS BRIGGS 1971, 590
METANONYCHUS NIGRICANS OREGONUS BRIGGS 1971, 590
METANONYCHUS SETULUS CASCADUS BRIGGS 1971, 590
METANONYCHUS SETULUS MAZAMUS BRIGGS 1971, 590
METANONYCHUS SETULUS NAVARRUS BRIGGS 1971, 590
METANONYCHUS SETULUS OBRIENI BRIGGS 1971, 590
METANONYCHUS SETULUS SETULUS BRIGGS 1971, 590
METAPOGON SETIGERUM COLE 1919, 788
METAPON MEXICANUM ASHMEAD 1895, 130
METASTELMA CUNEATA BRANDEGEE 1905, 573
METAXYODONTA ALUTACEA CASEY 1886, 709
METAXYODONTA CASEY 1886, 709
METAXYODONTA QUADRICOLLIS CASEY 1886, 709
METAZOA, 1360
METEORITES, 624, 665, 3904, 3905, 3906, 4016
METEOROLOGY & CLIMATOLOGY, 39, 177, 415, 416, 659, 995, 999, 1021, 1059, 1339, 1538, 1541, 1561, 1695, 1832, 3466, 3525
METHIA PALLIDIPENNIS LINSLEY 1942, 2736
METHIA PICTA LINSLEY 1942, 2736
METOPOLOBA SUBPILOSA BLAISDELL 1943, 410
METOPONIUM ANGELICUM BLAISDELL 1923, 405
METOPONIUM EROSUM BLAISDELL 1943, 410
METOPONIUM PACIFICUM BLAISDELL 1923, 405
METOPONIUM TRANSVERSUM BLAISDELL 1943, 410
METZGERIA MONTEREYANA SMITH & GORDON 1948, 3449
MEXICHROMIS TICA GOSLINER & ORTEA & VALDÉS 2004, 1615
MEXICO, 14, 24, 30, 36, 52, 91, 130, 134, 231, 232, 233, 234, 235, 236, 237, 238, 262, 263, 307, 309, 369, 406, 408, 410, 570, 575, 577, 579, 675, 676, 703, 704, 714, 715, 716, 717, 739, 740, 750, 772, 775, 785, 786, 862, 912, 953, 958, 959, 960, 962, 964, 965, 967, 968, 974, 982, 1032, 1041, 1063, 1072, 1086, 1087, 1145, 1293, 1315, 1331, 1333, 1399, 1417, 1435, 1462, 1463, 1471, 1514, 1517, 1614, 1728, 1731, 1733, 1745, 1748, 1750, 1751, 1757, 1808, 1853, 1854, 1855, 1868, 1873, 1945, 2246, 2262, 2313, 2333, 2345, 2346, 2347, 2371, 2409, 2667, 2677, 2679, 2707, 2708, 2717, 2720, 2732, 2733, 2736, 2740, 2751, 2754, 2769, 2787, 2793, 2806, 2809, 2815, 2829, 2831, 2883, 2884, 2906, 2909, 2910, 2917, 2941, 2951, 2952, 2983, 2984, 2985, 2987, 3000, 3037, 3049, 3050, 3053, 3085, 3117, 3120, 3228, 3235, 3236, 3247, 3304, 3313, 3342, 3353, 3355, 3360, 3370, 3387, 3388, 3389, 3417, 3420, 3422, 3423, 3453, 3452, 3469, 3473, 3481, 3499, 3508, 3596, 3597, 3598, 3599, 3600, 3601, 3608, 3633, 3668, 3670, 3730, 3756, 3775, 3776, 3789, 3790, 3802, 3810, 3817, 3906, 3925, 3926, 3928, 3973, 3977, 3978, 3984, 4009, 4010, 4011, 4012, 4014
MEXICO:BAJA CALIFORNIA, 14, 24, 52, 80, 81, 82, 89, 97, 129, 130, 176, 231, 233, 259, 262, 263, 264, 296, 303, 307, 309, 338, 349, 360, 398, 405, 406, 410, 472, 524, 526, 528, 533, 537, 538, 540, 541, 542, 543, 544, 545, 550, 552, 553, 554, 559, 561, 563, 564, 565, 567, 568, 571, 579, 627, 631, 634, 635, 639, 643, 653, 674, 675, 676, 703, 714, 715, 716, 717, 719, 750, 775, 785, 786, 853, 855, 856, 857, 858, 860, 861, 920, 964, 1029, 1041, 1145, 1245, 1247, 1272, 1273, 1274, 1331, 1332, 1339, 1399, 1417, 1435, 1462, 1464, 1465, 1466, 1487, 1505, 1517, 1581, 1614, 1633, 1634, 1636, 1728, 1745, 1750, 1757, 1780, 1808, 1860, 1868, 1869, 1873, 1906, 1910, 1935, 1936, 1937, 1938, 1957, 2016, 2048, 2246, 2313, 2333, 2345, 2347, 2409, 2472, 2584, 2593, 2650, 2677, 2679, 2708, 2728, 2729, 2730, 2736, 2751, 2755, 2758, 2787, 2793, 2806, 2809, 2815, 2821, 2898, 2899, 2909, 2910, 2915, 2932, 2933, 2944, 2949, 2983, 2984, 2985, 2987, 3053, 3075, 3082, 3112, 3113, 3187, 3203, 3247, 3264, 3313, 3360, 3369, 3370, 3417, 3422, 3452, 3508, 3541, 3542, 3546, 3578, 3633, 3674, 3728, 3743, 3744, 3746, 3747, 3748, 3749, 3752, 3775, 3776, 3789, 3791, 3792, 3802, 3817, 3822, 3878, 3884, 3901, 3910,

3925, 3926, 3977, 3978, 3981, 3984
MEXICO:BAJA CALIFORNIA:CEDROS [CERROS] ISLAND, 3756
MEXICO:BAJA CALIFORNIA:SAN BENITO ISLAND, 3756
MEXICO:BAJA CALIFORNIA:SAN MARTIN ISLAND, 3756
MEXICO:CEDROS ISLAND, 169, 1627, 1636, 2029, 2055, 2347, 2466, 2468, 2469, 2470, 2471, 2473, 2476, 2486, 2488, 2504, 2586, 3520
MEXICO:CHIAPAS, 580, 963, 971, 972, 1476, 1483, 2411, 2597, 2996, 3454, 3603
MEXICO:CHIHUAHUA, 1812, 3219, 3584, 3986
MEXICO:COAHUILA, 296
MEXICO:COLIMA, 976
MEXICO:DURANGO, 305, 1621, 3021
MEXICO:GUADALUPE ISLAND, 1091, 2029, 2031, 2042
MEXICO:GULF OF CALIFORNIA, 646, 1906, 2755, 2758, 3346, 3370
MEXICO:JALISCO, 976, 2773
MEXICO:MICHOACAN, 3021, 3847
MEXICO:NAYARIT, 130, 3114, 3345
MEXICO:NUEVO LEON, 2972
MEXICO:SINALOA, 573, 576, 1554, 2333, 2334, 2758, 3021
MEXICO:SONORA, 556, 969, 1489, 1639, 2263, 2334, 2343, 3112, 3345
MEXICO:YUCATAN, 980
MICHIGAN, 663, 664
MICIPPA OVATA LAEVIS LOCKINGTON 1877, 2755
MICIPPA OVATA LOCKINGTON 1877, 2755
MICONIA AMILCARIANA ALMEDA & DORR 2006, 38
MICONIA ARBORICOLA ALMEDA 1984, 28
MICONIA CALOCOMA ALMEDA 1989, 29
MICONIA CHIRIQUIENSIS ALMEDA 1981, 27
MICONIA COLLICULOSA ALMEDA 2000, 34
MICONIA COLORADENSIS ALMEDA 1981, 27
MICONIA CONFERTIFLORA ALMEDA 1981, 27
MICONIA CORREAE ALMEDA 2000, 34
MICONIA CROCATA ALMEDA 2000, 34
MICONIA DISSITIFLORA ALMEDA 1989, 29
MICONIA DISSITINERVIA KRIEBEL & ALMEDA & ESTRADA 2005, 2640
MICONIA GRANDIDENTATA ALMEDA 1981, 27
MICONIA GRAYUMII ALMEDA 1989, 30
MICONIA IBARRAE ALMEDA 1989, 30
MICONIA ITEOPHYLLA ALMEDA 1989, 30
MICONIA JEFENSIS ALMEDA 2000, 34
MICONIA LIGULATA ALMEDA 1989, 30
MICONIA LONGIBRACTEATA ALMEDA 1981, 27
MICONIA MORII ALMEDA 2000, 34
MICONIA PELTATA ALMEDA 1989, 30
MICONIA SAXICOLA BRANDEGEE 1905, 573
MICONIA TALAMANCENSIS ALMEDA 2000, 34
MICONIA VESTITA ALMEDA 2000, 34
MICRAMPULLA HANNA 1927, 1734
MICRAMPULLA PARVULA HANNA 1927, 1734
MICRARIONTA EVERMANNI PILSBRY 1927, 3120
MICROCENTRUM SUAVE HEBARD 1923, 1808
MICROCHARMUS BEMARAHA LOURENÇO & GOODMAN & FISHER 2006, 2770
MICROCHARMUS CONFLUENCIATUS LOURENÇO & GOODMAN & FISHER 2006, 2770
MICROCHARMUS DUHEMI LOURENÇO & GOODMAN & FISHER 2006, 2770
MICROCHARMUS HAUSERI LOURENÇO & GOODMAN & FISHER 2006, 2770
MICROCHARMUS LOURENÇO 1995, 2770
MICROCHARMUS MACULATUS LOURENÇO & GOODMAN & FISHER 2006, 2770
MICROCHARMUS PAULIANI AMBRE LOURENÇO & GOODMAN & FISHER 2006, 2770
MICROCHARMUS PAULIANI (LOURENÇO 2004), 2770
MICROCHARMUS PAULIANI NAMOROKA LOURENÇO & GOODMAN & FISHER 2006, 2770
MICROCHARMUS VARIEGATUS LOURENÇO & GOODMAN & FISHER 2006, 2770
MICROCHARMUS VIOLACEOUS LOURENÇO & GOODMAN & FISHER 2006, 2770
MICROCINA POTRERO UBICK & BRIGGS 2008, 3727
MICROCINA SANBRUNO UBICK & BRIGGS 2008, 3727
MICROCINA STANFORD UBICK & BRIGGS 2008, 3727
MICROCINA TAMALPAIS UBICK & BRIGGS 2008, 3727
MICROCINELLA COENSIS UBICK & BRIGGS 2008, 3727
MICROCINELLA UBICK & BRIGGS 2008, 3727
MICROCOLEUS HOWELLII SETCHELL & GARDNER 1937, 3389
MICROCOLEUS SUBTORULOSUS PACIFICUS SETCHELL & GARDNER 1937, 3389
MICRODACTYLON BRANDEGEE 1908, 577
MICRODACTYLON CORDATUM BRANDEGEE 1908, 577
MICRODON VIRIDIS TOWNSEND 1895, 3674
MICRODON XANTHOPILIS TOWNSEND 1895, 3674
MICRODUS MELANOPLEURUS ASHMEAD 1894, 129
MICROGNATHUS DAWSONI HERALD 1969, 1837
MICROGNATHUS MYERSI HERALD & RANDALL 1972, 1838
MICROGOBIUS EULEPIS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1314
MICROGOBIUS MIRAFLORENSIS GILBERT & STARKS 1904, 1555
MICROLEPIDOGASTER C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
MICROLEPIDOGASTER PERFORATUS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317

MICRONESIA, 1813
MICRONETA EVADENS CHAMBERLIN 1925, 718
MICROPALEONTOLOGY, 1, 49, 310, 440, 725, 751, 924, 925, 1560, 1734, 1737, 1743, 1744, 1745, 1748, 1749, 1831, 2610, 2611, 2635, 2772, 3042, 3315, 3371, 3574, 3860, 3894, 3913, 4005, 4006
MICROPEZA FLAVIVENTRIS COLE 1923, 786
MICRORHYNCHUS HEMPHILLII LOCKINGTON 1877, 2750
MICROSCOLEX CAROLINAE EISEN 1900, 1343
MICROSCOLEX HORSTI EISEN 1900, 1343
MICROSCOLEX PARVUS EISEN 1900, 1343
MICROSERIS, 721
MICROSERIS PALUDOSA (GREENE) HOWELL 1948 [COMB. NOV.], 2100
MICROSERSIS PARISHII GREENE 1886, 1636, 1639
MICROSPATHODON AZURISSIMUS JORDAN & STARKS 1895, 2333
MICROSTOMATIDAE, 726
MICROVELIA SIGNATA UHLER 1894, 3728
MICRURUS NIGROCINCTUS ZUNILENSIS SCHMIDT 1932, 3366
MID-ATLANTIC RIDGE, 2271
MIDDLE EAST, 2825, 3059, 3161
MIERSIA PACIFICA HOLMES 1895, 1906
MIGRATION, 2762
MILLIPEDA:DORYPETALIDAE, 3393
MILLIPEDES, 3880
MILTHA PARSONI WARING 1917, 3858
MILTITZIA, 2062
MIMETANTHE GREENE 1885, 1636
MIMOSA LUISANA BRANDEGEE 1908, 577
MIMULUS, 1987, 2039
MIMULUS ATROPURPUREA KELLOGG 1855, 2439, 2550
MIMULUS BARBATUS GREENE 1884, 1633
MIMULUS BIGELOVII VAR. PANAMINTENSIS MUNZ 1938, 2971
MIMULUS BIOLETTI EASTWOOD 1902, 1141
MIMULUS BRACHYSTYLIS EDWIN 1954, 1302
MIMULUS CLEISTOGAMUS HOWELL 1938, 2000
MIMULUS GENICULATUS GREENE 1885, 1637
MIMULUS GLAUCESCENS GREENE 1885, 1634
MIMULUS GRANTIANA EASTWOOD 1931, 1146
MIMULUS HALLII GREENE 1885, 1634
MIMULUS INODORUS GREENE 1885, 1634
MIMULUS MEPHITICUS GREENE 1884, 1633
MIMULUS MINUTISSIMUS EASTWOOD 1936, 1190
MIMULUS MODESTUS EASTWOOD 1900, 1134
MIMULUS MONILKIFORMIS GREENE 1884, 1633
MIMULUS NASUTUS GREENE 1885, 1634
MIMULUS PARISHII GREENE 1885, 1634
MIMULUS PEDUNCULARIS GREENE 1885, 1637
MIMULUS REIFSCHNEIDERAE EDWIN 1957, 1304
MIMULUS SPISSUS VAR. LINCOLNENSIS EDWIN 1955, 1303
MIMULUS WASHOENSIS EDWIN 1955, 1303
MIMULUS WOLFI EASTWOOD 1933, 1165
MINABEA, 3960
MINABEA ACRONOCEPHALA WILLIAMS 1992, 3947
MINABEA ALDERSLADEI WILLIAMS 1992, 3947
MINABEA COSMARIOIDES WILLIAMS 1992, 3947
MINABEA GOSLINERI WILLIAMS 1992, 3947
MINABEA KOSIENSIS WILLIAMS 1992, 3947
MINERALOGY & PETROLOGY, 325, 419, 422, 430, 435, 448, 450, 455, 460, 465, 466, 624, 956, 1037, 1038, 1099, 1100, 1101, 1380, 1381, 1588, 2286, 2287, 2727, 2729, 2730, 2946, 3164, 3402, 3403, 3404, 3405, 3897, 3899, 3900, 3901, 3902, 3910, 3915, 3917, 3918
MINERALS (NEW), 435, 1100, 2946
MINETTIA ETHELIA CURRAN 1936, 914
MINETTIA SURDA CURRAN 1936, 914
MINING, 459, 765, 1102, 3164, 3228, 3402, 3910
MINNIZA LINDAHLI CHAMBERLIN 1923, 715
MINNIZA ROSSI CHAMBERLIN 1923, 715
MINOUS DEMPSTERAE ESCHMEYER & HALLACHER & RAMA-RAO 1979, 1369
MINUMUS EISENII KELLOGG 1877, 2580
MIOCENE, 47, 48, 50, 310, 800, 837, 1355, 1559, 1726, 1873, 2611, 2769, 2817, 2821, 3225, 3266, 3465, 3894, 4006, 4030, 4042
MIRABILIS, 323
MIRABILIS EXSERTA BRANDEGEE 1891, 541
MIRABILIS PUDICA BARNEBY 1942, 273
MIRABILUS CALIFORNICA GRAY VAR. VILLOSA KELLOGG 1863, 2510
MISSOURI, 3843
MISSOURI BOTANICAL GARDENS, 3215
MISUMENA CONFERTA BANKS 1898, 259
MISUMENA CONSUETA BANKS 1898, 259
MISUMENA DECORA BANKS 1898, 259
MISUMENA FIDELIS BANKS 1898, 259
MISUMENA MODESTA BANKS 1898, 259
MISUMENA PENINSULANA BANKS 1898, 259
MITES, 3356, 3374
MITHRACULUS TRIANGULATUS LOCKINGTON 1877, 2755
MITHRAX AREOLATUS LOCKINGTON 1877, 2755
MITRA ALIZALIS ANDERSON & HANNA 1925, 51
MITRA (COSTELLARIA) CRISPA GARRITT 1872, 1508
MITRA MURIETTA ANDERSON & HANNA 1925, 51
MITRA UVASANA DICKERSON 1915, 1057
MITRA ZACA STRONG & HANNA & HERTLEIN 1933, 3601
MITRELLA DORMA BAKER & HANNA & STRONG 1938, 238
MITRELLA HARFORDI STRONG & HERTLEIN 1937, 3602
MITROMORPHA INTERMEDIA ARNOLD 1903, 126
MITTRA MAURYAE ANDERSON 1929, 50
MIUROGLANIS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317

MIUROGLANIS PLATYCEPHALUS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
MIXOMYROPHIS MCCOSKER 1985, 2859
MIXOMYROPHIS PUSILLIPINNA MCCOSKER 1985, 2859
MODIOLUS EISENI STRONG & HERTLEIN 1937, 3602
MOLECULAR SYSTEMATICS, 3879
MOLGULA NAPIFORMIS LAMBERT 1993, 2649
MOLLUGO, 1963
MOLLUGO CROCKERI HOWELL 1933, 1963
MOLLUGO FLAVESCENS ANGUSTIFOLIA HOWELL 1933, 1963
MOLLUGO FLAVESCENS INTERMEDIA HOWELL 1933, 1963
MOLLUGO FLORIANA GYPSOPHILOIDES HOWELL 1933, 1963
MOLLUGO GRACILLIMA LATIFOLIA HOWELL 1933, 1963
MOLLUGO INSULARIS HOWELL 1933, 1963
MOLLUGO STRIATA HOWELL 1933, 1963
MOLLUSCA, 49, 52, 370, 468, 691, 692, 698, 699, 700, 771, 819, 820, 821, 822, 827, 831, 832, 833, 834, 835, 840, 841, 843, 850, 851, 853, 855, 856, 857, 858, 860, 862, 863, 931, 932, 935, 936, 944, 946, 1097, 1489, 1492, 1504, 1507, 1508, 1610, 1617, 1739, 1741, 1823, 1824, 2410, 2724, 2916, 3003, 3183, 3217, 3225, 3226, 3265, 3322, 3323, 3442, 3448, 3463, 3512, 3513, 3514, 3515, 3516, 3517, 3518, 3523, 3524, 3526, 3527, 3530, 3534, 3535, 3536, 3554, 3577, 3596, 3597, 3602, 3676, 3677, 3678, 3694, 3695, 3696, 4035, 4036
MOLLUSCA:AMPHINEURA, 662
MOLLUSCA:AMPHIPERASIDAE, 3528
MOLLUSCA:ARCHAEOGASTROPODA, 2725
MOLLUSCA:BIVALVIA, 10, 3320
MOLLUSCA:CEPHALOPODA, 3846
MOLLUSCA:CERITHIIDAE, 237
MOLLUSCA:CERITHIOPSIDAE, 237
MOLLUSCA:CYCLOSTREMATIDAE, 237
MOLLUSCA:CYPRAEIDAE, 3528
MOLLUSCA:EPITONIIDAE, 236
MOLLUSCA:GASTROPODA, 826, 828, 861, 3001, 3002, 3004, 3520, 3522, 3739, 3832
MOLLUSCA:NEOGASTROPODA, 3319
MOLLUSCA:NUDIBRANCHIA, 368, 370, 678, 1348, 1411, 1410, 1413, 1503, 1600, 1601, 1602, 1605, 1606, 1607, 1608, 1612, 1613, 1616, 1617, 2312, 2787, 2788, 2789, 2791, 2914, 2916, 2966, 3043, 3470, 3490, 3738, 3741, 3742, 4047
MOLLUSCA:NUDIBRANCHIA:AKIODORIDIDAE, 2918
MOLLUSCA:NUDIBRANCHIA:ALDISIDAE, 1609
MOLLUSCA:NUDIBRANCHIA:CHROMODORIDAE, 1600
MOLLUSCA:NUDIBRANCHIA:CHROMODORIDIDAE, 369, 1609, 1615, 2312
MOLLUSCA:NUDIBRANCHIA:CORAMBE, 2791
MOLLUSCA:NUDIBRANCHIA:DENDRODORIDIDAE, 371, 1564, 2915
MOLLUSCA:NUDIBRANCHIA:DENDRONOTACEA, 3471
MOLLUSCA:NUDIBRANCHIA:DISCODORIDIDAE, 722, 1853, 4047
MOLLUSCA:NUDIBRANCHIA:DISCORDIDAE, 370, 1412, 4047
MOLLUSCA:NUDIBRANCHIA:DORIDACEA, 678
MOLLUSCA:NUDIBRANCHIA:DREPANIA, 2788
MOLLUSCA:NUDIBRANCHIA:FLABELLINIDAE, 1604
MOLLUSCA:NUDIBRANCHIA:GONIODORIDIDAE, 677, 1603, 1604, 1611, 1853
MOLLUSCA:NUDIBRANCHIA:HALGERDIDAE, 1411
MOLLUSCA:NUDIBRANCHIA:ONCHIDORIDIDAE, 1415, 2913
MOLLUSCA:NUDIBRANCHIA:PHANEROBRANCHIA:AEGIRIDAE, 1414
MOLLUSCA:NUDIBRANCHIA:PLEUROBRANCHIDAE, 1855
MOLLUSCA:NUDIBRANCHIA:POLYCERIDAE, 1854, 3132
MOLLUSCA:NUDIBRANCHIA:TERGIPEDIDAE, 1855
MOLLUSCA:NUDIBRANCHIA:TRITONIIDAE, 398
MOLLUSCA:OPISTHOBRANCHIA, 233, 1609, 1612, 1853, 2787, 2789, 2914, 2917, 3740
MOLLUSCA:OPISTHOBRANCHIA:AEOLIDACEA, 1599, 1614, 2916
MOLLUSCA:OPISTHOBRANCHIA:DENDRONOTOTACEA, 1616
MOLLUSCA:OPISTHOBRANCHIA:ELYSIIDAE, 1601
MOLLUSCA:OPISTHOBRANCHIA:HAMINOEIDA, 1610
MOLLUSCA:OPISTHOBRANCHIA:NOTASPIDEA, 744
MOLLUSCA:OPISTHOBRANCHIA:POLYCERIDAE, 1854
MOLLUSCA:PELECYPODA, 1865, 1870
MOLLUSCA:PELYCPODA, 1864
MOLLUSCA:PHASIANELLA, 3595
MOLLUSCA:POLYPLACOPHORA, 3443, 3445
MOLLUSCA:PULMONATA, 844, 846, 850, 855, 858
MOLLUSCA:PULMONATA:XANTHONYCHIDAE, 2996
MOLLUSCA:PYRAMIDELLIDAE, 234
MOLLUSCA:TRIPHORIDAE, 232
MOLLUSCA:TRIVIIDAE, 3528
MOLLUSKS, 8, 9, 10, 49, 52, 231, 232, 234, 235, 239, 662, 818, 856, 954, 1061, 1097, 1348, 1411, 1410, 1419, 1437, 1438, 1503, 1606, 1607, 1608, 1613, 1726, 1728, 1729, 1735, 1742, 1746, 1751, 1752, 1756, 1757, 1758, 1820, 1821, 1822, 1823, 1824, 1829, 1860, 1862, 1863, 1864, 1869, 1870, 1877, 1898, 2312, 2409, 2725, 3000, 3005, 3120, 3128, 3266, 3318, 3319, 3439, 3440, 3443, 3445, 3449, 3452, 3538, 3539, 3546, 3596, 3597, 3598, 3599, 3600, 3601, 3602, 3675, 3693, 3738, 3740, 3741,

3742, 3846, 4019, 4020, 4024, 4047
MOLOPOPHORUS DALLI ANDERSON & MARTIN 1914, 53
MOLOPOPHORUS TEJONENSIS DICKERSON 1915, 1057
MONADENIA TROGLODYTES WINTU ROTH 1981, 3317
MONARDELLA ANTONINA HARDHAM 1966, 1765
MONARDELLA BENITENSIS HARDHAM 1966, 1765
MONARDELLA SISKIYOUENSIS HARDHAM 1966, 1766
MONARDELLA SUBGLABRA (HOOVER) HARDHAM 1966 [COMB. NOV.], 1765
MONARDELLA THYMIFOLIA GREENE 1885, 1636
MONARDELLA UNDULATA VAR. FRUTESCENS HOOVER 1949, 1925
MONARDELLA VILLOSA VAR. SUBGLABRA HOOVER 1949, 1925
MONEILEMA MICHELBACHERI LINSLEY 1942, 2736
MONOCOTYLEDONAE, 474, 1884, 3384
MONOLENA DRESSLERI WARNER 2002, 3859
MONOLENA GRANDILOBA WARNER 2002, 3859
MONOLENA MORLEYI WARNER 2002, 3859
MONOLENA MULTIFLORA WARNER 2002, 3859
MONOLENA PANAMENSIS WARNER 2002, 3859
MONOLENA TRICHOPODA WARNER 2002, 3859
MONOLENE ASAEDAE CLARK 1936, 755
MONOPHLEBUS CORPULENTUS KUWANA 1902, 2644
MONOPLEURA SALAZARI PALMER 1928, 3050
MONOPON PRAECURSOR KELLOGG 1899, 2593
MONTANA, 285, 1241, 1715, 1851, 1886, 1887, 1892, 2731, 2942, 3318, 3580
MONTIA ALPINA EASTWOOD 1932, 1151
MONTIA GYPSOPHILOIDES VAR. EXIGUA (T.&G.) HOWELL 1948 [STAT. NOV.], 2100
MONTIA PERFOLIATA FORMA ANGUSTIFOLIA (GREENE) HOWELL 1948 [STAT. NOV.], 2100
MONTIA PERFOLIATA FORMA CUPREA (HELLER) HOWELL 1948 [STAT. NOV.], 2100
MONTIA PERFOLIATA FORMA GLAUCA (NUTT.) HOWELL 1948 [STAT. NOV.], 2100
MONTIA PERFOLIATA FORMA NUBIGENA (GREENE) HOWELL 1948 [STAT. NOV.], 2100
MONTIA ROSULATA EASTWOOD 1897, 1124
MONTIA SPATHULATA VAR. ROSULATA (EASTWOOD) HOWELL 1948 [STAT. NOV.], 2100
MOPALIA EGRETTA BERRY 1919, 395
MOPALIA PHORMINX BERRY 1919, 395
MORDELLISTENA GALAPAGOENSIS VAN DYKE 1953, 3818
MORIDAE:GADIFORMES, 3438
MORIS VAGABUNDUS WETMORE 1930, 3881
MORPHOLOGY, 12, 118, 256, 489, 679, 800, 878, 1338, 1557, 2592, 3663, 3760
MORPHOLOGY (PLANTS), 681, 682, 686, 1121, 1714, 2213, 2253, 2365, 3100, 3102
MORRHUA CALIFORNICA AYRES 1854, 138, 185
MORTONICERAS CRENULATUM ANDERSON 1902, 44
MOSSES, 311, 548, 2618, 2688
MOUNTAINS (ELEVATIONS OF), 3898
MOZENA HECTOR VAN DUZEE 1923, 3802
MOZENA RUFULA VAN DUZEE 1923, 3802
MUCRONEA PERFOLIATA VAR. OPACA HOOVER 1966, 1934
MUGIL HOSPES JORDAN & CULVER 1895, 2333
MUGILIDAE:AGONOSTOMUS, 3379
MUILLA, 2025
MUILLA TENUIS CONGDON 1901, 807
MULTAREIS DIGITATUS VAN DUZEE 1923, 3802
MULTAREIS PLANIFRONS VAN DUZEE 1923, 3802
MUMILUS ACUTIDENS GREENE 1885, 1634
MURAENA MORDAX AYRES 1859, 169
MURAENICHTHYS MALAITA SEALE 1935, 3380
MURAENICHTHYS PUHIOILO MCCOSKER 1979, 2857
MURAENIDAE, 2869, 2873, 2877
MUREX BARBARENSIS GABB 1865, 1492
MUREX BEALI ANDERSON & HANNA 1925, 51
MUREX-EXIGUA GARRETT 1857, 1504, 1507
MUREX FRAGILIS TRASK 1855, 3678, 3696
MUREX PACKARDI DICKERSON 1915, 1057
MURICIDEA SUBANGULATA STEARNS 1873, 3539
MUSEUM COLLECTION, 100, 105, 226, 474, 1263, 1270, 1339, 1379, 3747
MUSEUM OF PALEONTOLOGY BERKELEY, 2742
MUSEUMS, 1359, 1834, 2629, 2695, 2697, 3395, 4023
MUSTELA ERMINEA DIGNA HALL 1944, 1717
MUSTELUS FELIS AYRES 1854, 142, 189
MYA HEMPHILLII NEWCOMB 1874, 3005
MYANMAR, 313, 314, 1428, 1478, 1571, 2712, 2713, 2885, 3372, 3437, 3834, 3936, 3937, 3938, 3994, 3995, 4033, 4034
MYCETOPHILA BISPINA VAN DUZEE 1928, 3813
MYCETOPHILA CLAVATA VAN DUZEE 1928, 3813
MYCETOPHILA FUSCA VAN DUZEE 1928, 3813
MYCETOPHILA OVATA VAN DUZEE 1928, 3813
MYCETOPHILA PARVIMACULATA VAN DUZEE 1928, 3813
MYCETOPHILA PECTORALIS VAN DUZEE 1928, 3813
MYCETOPHILA SINGULARIS VAN DUZEE 1928, 3813
MYCETOPHILA SPINIGER VAN DUZEE 1928, 3813
MYCOLOGY, 399
MYCOMYA ABBREVIATA VAN DUZEE 1928, 3813
MYCOMYA CALIFORNICA VAN DUZEE 1928, 3813
MYCOMYA FULVITIBIA VAN DUZEE 1928, 3813
MYCOMYA FUSCIPALPIS VAN DUZEE 1928, 3813
MYCOMYA HIRTICAUDA VAN DUZEE 1928, 3813
MYCOMYA LONGISPINA VAN DUZEE 1928, 3813
MYCOMYA NIGRIHIRTA VAN DUZEE 1928, 3813
MYCOTROGUS MENTALIS BLAISDELL 1923, 405

MYCTEROMYIA ETCHEVERRYAE COSCARON & PHILIP 1979, 870
MYCTEROMYIINI COSCARON & PHILIP 1979, 870
MYCTEROPERCA BOULENGERI JORDAN & STARKS 1895, 2333
MYCTEROPERCA VENADORUM JORDAN & STARKS 1895, 2333
MYCTOPHUM (STENOBRACHIUS) LEUCOPSARUM C.H.EIGENMANN & R.S.EIGENMANN 1890, 1320
MYDAEA PILIFERA HUCKETT 1966, 2248
MYERS (GEORGE SPRAGUE), 2991, 3850
MYIOLEPTA CARBICOLOR LOVETT 1920, 2780
MYLOPHARODON AYRES 1855, 151, 198
MYLOPHARODON ROBUSTUS AYRES 1855, 151, 198
MYOCORYNA PENINSULARIS HORN 1894, 1935
MYOSOMA ROBERTSON 1900, 3284
MYOSOMA SPINOSA ROBERTSON 1900, 3284
MYOSURUS ALOPECUROIDES GREENE 1885, 1637
MYOSURUS MINIMUS GENUINUS GREENE 1885, 1637
MYOSURUS MINIMUS VAR. APUS GREENE 1885, 1637
MYOSURUS MINIMUS VAR. FILIFORMIS GREENE 1885, 1637
MYOSURUS SHORTII GREENE 1885, 1637
MYRICHTHYS ASPETOCHEIROS MCCOSKER & ROSENBLATT 1993, 2874
MYRIOCOCCUM SPARSUM HARKNESS 1884, 1773
MYRMECOCYSTIS CANDIDA HARKNESS 1899, 1789
MYRMECOCYSTIS CEREBRIFORMIS HARKNESS 1899, 1789
MYRMECOCYSTIS HARKNESS 1899, 1789
MYRMECODEMA MICHELBACHERI FREUDE 1960, 1472
MYRMECOPSIS INFLATUS UHLER 1894, 3728
MYRMECOPSIS UHLER 1894, 3728
MYRMECOZELA ERECTA BRAUN 1923, 579
MYRMICIDAE, 3112, 3113
MYRTACEAE, 2651
MYSIDOPSIS ELONGATA HOLMES 1900, 1908
MYSIS COSTATA HOLMES 1900, 1908
MYSTUS OLYROIDES ROBERTS 1989, 3279
MYTILASPIS EURYAE KUWANA 1902, 2644
MYTILASPIS NEWSTEADI TOKIONIS KUWANA 1902 [VAR. NOV.], 2644
MYTILASPIS POMORUM JAPONICA KUWANA 1902 [VAR. NOV.], 2644
MYXINIDAE:EPTATRETUS, 2887, 2934
MYXODES ELEGANS COOPER 1864, 825
MYXOPHYCEAE, 3384
MYZOCALLIS CAPITATA ESSIG & KUWANA 1918, 1376
MYZOCALLIS MACROTUBERCULATA ESSIG & KUWANA 1918, 1376
NABIS GALAPAGOENSIS KERZHNER 1968, 2601
NABIS REDUCTUS KERZHNER 1968, 2601
NACARINA ACULEATA DE FREITAS & PENNY 2001, 1045
NACARINA GLADIUS DE FREITAS & PENNY 2001, 1045
NACARINA LAVASANA DE FREITAS & PENNY 2001, 1045
NACARINA SAGITTA DE FREITAS & PENNY 2001, 1045
NACELLA (?) ROSEA DALL 1872, 936
NACELLA(?) SUBSPIRALIS CARPENTER 1866, 700
NACTUS, 1813
NAESIOTUS CAVAGNAROI SMITH 1972, 3446
NAESIOTUS DEROYI SMITH 1972, 3446
NAESIOTUS SCALESIANA SMITH 1972, 3446
NAETHUS MACULATUS FASCIATUS VAN DUZEE 1917, 3795
NAMA FLAVESCENS BRANDEGEE 1908, 577
NAMA RACEMOSA KELLOGG 1873, 2569
NAMA RETRORSUM HOWELL 1949, 2104
NAMA SPATULATUM BRANDEGEE 1908, 577
NAMA TORYNOPHYLLUM GREENMAN 1904, 1660
NAMIBIA, 317, 3163
NANGRA BUCCULENTA ROBERTS & FERRARIS 1998, 3282
NANGRA CARCHARHINOIDES ROBERTS & FERRARIS 1998, 3282
NANGRA ORNATA ROBERTS & FERRARIS 1998, 3282
NANGRA ROBERTS & FERRARIS 1998, 3282
NANNOLITHAX GRACILIS KELLOGG 1931, 2590
NANNOSCINCUS MANAUTEI SADLIER & BAUER & WHITAKER & SMITH 2004, 3348
NAPLES MARINE STATION, 1526
NARCINE ENTEMEDOR JORDAN & STARKS 1895, 2333
NARCINE OMMATA CLARK 1936, 755
NARDUS, 252
NARTA MIMULA BEHR 1885, 350
NASSA ANTISELLI ANDERSON & MARTIN 1914, 53
NASSA ARNOLDI ANDERSON 1905, 45
NASSA BLAKEI ANDERSON & MARTIN 1914, 53
NASSA CERRITENSIS ARNOLD 1903, 126
NASSA INSCULPTA CARPENTER 1866, 700
NASSA LINCOLNENSIS ANDERSON & MARTIN 1914, 53
NASSA OCOYANA ANDERSON & MARTIN 1914, 53
NASSARIUS GALLEGOSI STRONG & HERTLEIN 1937, 3602
NATICA COLIMA STRONG & HERTLEIN 1937, 3602
NATICA CORONIS HANNA & ISRAELSKY 1925, 1753
NATICA HANNIBALI DICKERSON 1914, 1055
NATRIX COPEI VAN DENBURGH 1909, 3762
NATRIX PRYERI ISHIGAKIENSIS MALNATE & MUNSTERMAN 1960, 2816
NATRIX VIBAKARI RUTHVENI VAN DENBURGH 1923, 3777
NATURAL HISTORY, 20, 257, 1339, 2596, 2653, 2762,

3101, 3108, 3150, 3750
NAUPODA VENTRALIS CURRAN 1936, 914
NAUTALUS GABBI ANDERSON 1902, 44
NAUTILUS SP., 44
NAVARCHUS COOPER 1863, 819
NAVARCHUS INERMIS (COOPER 1862), 821
NAVARRETIA, 2145
NAVARRETIA JAREDI EASTWOOD 1900, 1134
NAVARRETIA NIGELLAEFORMIS VAR. RADIANS HOWELL 1938, 2008
NAVARRETIA OCELLATA EASTWOOD 1900, 1134
NAVICULA CONTORTULA SOVEREIGN 1963, 3488
NAVICULA EASTWOODI HANNA & GRANT 1926, 1748
NAVICULA EVEXA SOVEREIGN 1963, 3488
NAVICULA KERNENSIS HANNA 1932, 1737
NAVICULA KINCAIDII SOVEREIGN 1963, 3488
NAVICULA MADRAE HANNA & GRANT 1926, 1748
NAVICULA MIMICANS HANNA 1932, 1737
NAVICULA MORRICEI HANNA 1932, 1737
NAVICULA OPTIMA HANNA 1932, 1737
NAVICULA ORTOLANAE HANNA & GRANT 1926, 1748
NAVICULA RAINIERENSIS SOVEREIGN 1963, 3488
NAVICULA REGATA HANNA & GRANT 1926, 1748
NAVICULA STIPPI HANNA & GRANT 1926, 1748
NAVICULA SUBSPECTABILIS HANNA & GRANT 1926, 1748
NEAETHUS FRAGOSUS VAN DUZEE 1921, 3798
NEARCTIC, 10, 488, 1443, 1631, 2350, 2351, 2352, 2811, 3107, 3156, 3932
NEARTIC, 1630
NEBRIA ACUTA QUILEUTE KAVANAUGH 1979, 2350
NEBRIA ALTISIERRAE KAVANAUGH 1984, 2352
NEBRIA ARKANSANA EDWARDSI KAVANAUGH 1979, 2350
NEBRIA ARKANSANA OOWAH KAVANAUGH 1979, 2350
NEBRIA ARKANSANA UINTA KAVANAUGH 1979, 2350
NEBRIA CALVA KAVANAUGH 1984, 2352
NEBRIA CAMPBELLI KAVANAUGH 1984, 2352
NEBRIA CARRI KAVANAUGH 1979, 2350
NEBRIA DANMANNI KAVANAUGH 1981, 2351
NEBRIA DARLINGTONI KAVANAUGH 1979, 2350
NEBRIA FRAGILIS TEEWINOT KAVANAUGH 1979, 2350
NEBRIA GEBLERI ALBIMONTIS KAVANAUGH 1984, 2352
NEBRIA GEBLERI CASCADENSIS KAVANAUGH 1979, 2350
NEBRIA GEBLERI FRAGARIAE KAVANAUGH 1979, 2350
NEBRIA GEBLERI SISKIYOUENSIS KAVANAUGH 1979, 2350
NEBRIA GOUETI KAVANAUGH 1979, 2350
NEBRIA GYLLENHALI LASSENENSIS KAVANAUGH 1979, 2350
NEBRIA GYLLENHALI LINDROTHI KAVANAUGH 1979, 2350
NEBRIA HAIDA KAVANAUGH 1984, 2352
NEBRIA JEFFREYI KAVANAUGH 1984, 2352
NEBRIA KINCAIDI BALLI KAVANAUGH 1979, 2350
NEBRIA LABONTEI KAVANAUGH 1984, 2352
NEBRIA LACUSTRIS BELLORUM KAVANAUGH 1979, 2350
NEBRIA LITUYAE KAVANAUGH 1979, 2350
NEBRIA LOUISEAE KAVANAUGH 1984, 2352
NEBRIA MEANYI GIULIANII KAVANAUGH 1981, 2351
NEBRIA MEANYI LAMARCKENSIS KAVANAUGH 1979, 2350
NEBRIA MEANYI SYLVATICA KAVANAUGH 1979, 2350
NEBRIA NAVAJO KAVANAUGH 1979, 2350
NEBRIA NIVALIS GASPESIANA KAVANAUGH 1979, 2350
NEBRIA OBLIQUA CHUSKAE KAVANAUGH 1979, 2350
NEBRIA PIUTE SEVIERI KAVANAUGH 1984, 2352
NEBRIA PRAEDICTA KAVANAUGH & SCHOVILLE 2009, 2362
NEBRIA SAHLBERGII MODOC KAVANAUGH 1979, 2350
NEBRIA SAHLBERGII TRIAD KAVANAUGH 1979, 2350
NEBRIA SCAPHELYTRA KAVANAUGH & SHILENKOV 1996, 2363
NEBRIA SCHWARZI BEVERLIANNA KAVANAUGH 1979, 2350
NEBRIA SIERRABLANCAE KAVANAUGH 1984, 2352
NEBRIA SONORAE KAVANAUGH 1981, 2351
NEBRIA SPATULATA SIERRAE KAVANAUGH 1979, 2350
NEBRIA STEENSENSIS KAVANAUGH 1984, 2352
NEBRIA TRIFARIA PASQUINELI KAVANAUGH 1984, 2352
NEBRIA TRIFARIA UTAHENSIS KAVANAUGH 1979, 2350
NEBRIA TURMADUODECIMA KAVANAUGH 1981, 2351
NEBRIA VANDYKEI WYEAST KAVANAUGH 1979, 2350
NEBRIA WALLOWAE KAVANAUGH 1984, 2352
NEBRIA ZIONI OASIS KAVANAUGH 1979, 2350
NECTOSAURUS HALIUS MERRIAM 1905, 2902
NECTRIA GALII PLOWRIGHT & HARNESS 1884, 3130
NECTRIA UMBELLULARIAE PLOWRIGHT & HARKNESS 1884, 3130
NEENCHELYS DAEDALUS MCCOSKER 1982, 2858
NEGALIUS MARMORATUS HORN 1896, 1937
NEIDIUM INCONSTANS SOVEREIGN 1963, 3488

NEMACHEILUS LACTOGENEUS ROBERTS 1989, 3279
NEMACHEILUS MACULICEPS ROBERTS 1989, 3279
NEMACLADUS CAPILLARIS GREENE 1885, 1636
NEMACLADUS MONTANUS GREENE 1885, 1636
NEMACLADUS PINNATIFIDUS GREENE 1885, 1636
NEMACLADUS RIGIDUS CURRAN 1885, 917
NEMACLADUS RUBESCENS GREENE 1885, 1636
NEMACLADUS TENUISSIMUS GREENE 1885, 1636
NEMACLADUS TWISSELMANNII HOWELL 1963, 2207
NEMATODA, 2654, 3131
NEMATOGNATHI, 1319
NEMATURELLA EUZONA HANNA 1923, 1726
NEMBROTHA CHAMBERLAINI GOSLINER & BEHRENS 1997, 1605
NEMBROTHA MILLERI GOSLINER & BEHRENS 1997, 1605
NEMBROTHA MULLINERI GOSLINER & BEHRENS 1997, 1605
NEMEDINA EOCENICA SINCLAIR & ARNAUD 2001, 3409
NEMEOBIUS DUMETI BEHR 1865, 344
NEMEOBIUS MEJICANUS BEHR 1865, 344
NEMEOBIUS VIRGULTI BEHR 1865, 344
NEMOGNATHA INSULARIS BLAISDELL 1925, 408
NEMOPHILA EVERMANNI EASTWOOD 1931, 1146
NEMOPHILA INSULARIS EASTWOOD 1935, 1980
NEMOPHILA MODESTA KELLOGG 1877, 2580
NEMOTELUS RUFOABDOMINALIS COLE 1923, 786
NEMUROGLANIS C.H. EIGENMANN & R.S.EIGENMANN 1889, 1317
NEMUROGLANIS LANCEOLATUS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
NEOBACLEA CRISPIFOLIA (CAV.) KEARNEY 1949 [COMB. NOV.], 2368
NEOBAPHION BLAISDELL 1925, 409
NEOBORUS ILLITUS VAN DUZEE 1921, 3798
NEOBORUS PACIFICUS VAN DUZEE 1921, 3798
NEOBORUS VISCICOLUS VAN DUZEE 1921, 3798
NEODURIUM FENNAH 1956, 1423
NEODURIUM POSTFASCIATUM FENNAH 1956, 1423
NEOGALEA ESULA LONGFIELDAE HAYES 1975, 1804
NEOGENE, 53
NEOHYLEMYIA MONTICOLA HUCKETT 1966, 2248
NEOLIPARIS FISSURATUS STARKS 1896, 3510
NEOLIPARIS FLORAE JORDAN & STARKS 1895, 2342
NEOLIPARIS GREENI JORDAN & STARKS 1895, 2342
NEOMOCHTHERUS IDAHOAE MARTIN 1975, 2831
NEOMOCHTHERUS LASSENAE MARTIN 1975, 2831
NEOMOCHTHERUS OLYMPIAE MARTIN 1975, 2831
NEOMOCHTHERUS OREGONAE MARTIN 1975, 2831
NEOMONOSPORA MULTIRAMOSA SETCHELL & GARDNER 1937, 3389
NEOMONOSPORA SETCHELL & GARDNER 1937, 3389
NEOMYSIS FRANCISCORUM HOLMES 1900, 1908
NEOMYSIS MERCEDIS HOLMES 1896, 1907
NEOPENTARTHRUM CUNICOLLIS VAN DYKE 1953, 3818
NEOPENTARTHRUM GLABRUM VAN DYKE 1953, 3818
NEOPENTARTHRUM MUTCHLERI VAN DYKE 1953, 3818
NEOPLECOSTOMUS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
NEOSTETHUS ROBERTSI PARENTI 1989, 3057
NEOTHERIUM MIRUM KELLOGG 1931, 2590
NEOTHUNNUS CATALINAE JORDAN & EVERMANN 1926, 2338
NEOTHUNNUS ITOSIBI JORDAN & EVERMANN 1926, 2338
NEOTOMA ALBIGULA HARTLEY 1894, 1794
NEOTOMA CALIFORNICA PRICE 1894, 3153
NEOTROPICS, 27, 28, 37, 471, 495, 739, 870, 957, 966, 973, 1035, 1416, 1471, 1550, 1799, 2632, 2638, 2908, 2988, 3278, 3358, 3428, 3661
NEPAL, 784, 3615
NEPALELLA GRISWOLDI SHEAR 2002, 3394
NEPALELLA KAVANAUGHI SHEAR 2002, 3394
NEPALELLA MAGNA SHEAR 2002, 3394
NEPALELLA PIANMA SHEAR 2002, 3394
NEPHROTOMA GUTTIPLEURA ALEXANDER 1936, 914
NEPHROTOMA SOLOMONIS MALAITANA ALEXANDER 1936, 914
NERIENE DOGMATICA CHAMBERLIN 1925, 718
NERIENE REDACTA CHAMBERLIN 1925, 718
NERITA COWLITZEMSIS DICKERSON 1915, 1057
NERITA OLIGOPLEURA DALL & OCHSNER 1928, 954
NERITINA MARTINI DICKERSON 1915, 1057
NESOEME KUSCHELI LINSLEY & CHEMSAK 1966, 2738
NESOMIMUS PARVULUS WENMANI SWARTH 1931, 3620
NESONYX CHAMBERLIN 1923, 716
NESONYX FLAGELLANS CHAMBERLIN 1923, 716
NESORYZOMYS HELLER 1904, 1819
NESORYZOMYS NARBOROUGHI HELLER 1904, 1819
NESORYZOMYS SWARTHI ORR 1938, 3030
NESOSYDNE ALCMAEON FENNAH 1967, 1424
NESOSYDNE AUGER FENNAH 1967, 1424
NESOSYDNE IPHIS FENNAH 1967, 1424
NESOSYDNE OLIPOR FENNAH 1967, 1424
NESOSYDNE SENECA FENNAH 1967, 1424
NESOZINEUS LINSLEY & CHEMSAK 1966, 2738
NETUMA MAZATLANA GILBERT 1904, 1554
NEUQUENAPHIS CHILENSIS ESSIG 1953, 1375
NEUQUENAPHIS MICHELBACHERI ESSIG 1953, 1375
NEURATELIA FLEXA VAN DUZEE 1928, 3813

NEURIGONA FLORIDULA WHEELER 1899, 3889
NEURIGONA LIENOSA WHEELER 1899, 3889
NEUROCOLPUS SIMPLEX VAN DUZEE 1918, 3796
NEUROPTERA, 258, 696, 1045, 1900, 2737, 3046, 3105, 3108, 3109, 3382
NEUROPTERA:BEROTHIDAE, 3110
NEUROPTERA:CHRYSOPIDAE, 1045
NEUROPTERA:MYRMELEONIDAE, 262
NEVADA, 269, 270, 271, 272, 273, 274, 275, 276, 278, 280, 286, 297, 323, 325, 340, 418, 419, 422, 425, 426, 437, 461, 476, 659, 692, 763, 765, 902, 907, 908, 1228, 1196, 1203, 1214, 1233, 1237, 1241, 1251, 1255, 1293, 1302, 1303, 1304, 1305, 1355, 1437, 1634, 1636, 1706, 1777, 1840, 1882, 1911, 1982, 2040, 2041, 2049, 2080, 2132, 2152, 2198, 2199, 2319, 2327, 2481, 2483, 2485, 2486, 2489, 2493, 2495, 2496, 2497, 2503, 2505, 2506, 2509, 2510, 2511, 2512, 2797, 2799, 2800, 2944, 2968, 2973, 2974, 3000, 3210, 3211, 3233, 3390, 3422, 3502, 3582, 3583, 3586, 3646, 3755, 3776, 3787, 3897, 3907, 3911, 3923, 3998
NEVERITA WEAVERI DICKERSON 1915, 1057
NEWBERRYA SUBTERRANEA EASTWOOD 1897, 1124
NEW BRITAIN ISLAND, 1657
NEW CALEDONIA, 316, 319, 1813, 3348
NEW GUINEA, 1813, 4029
NEW JERSEY, 1938
NEW MEXICO, 278, 287, 291, 294, 298, 300, 1124, 1857, 1858, 1859, 1888, 2289, 3219, 3393, 3660, 3667, 3669, 3672, 3673, 3778, 3847
NEW NAME COMBINATIONS [COMB. NOV.], 4, 220, 270, 276, 278, 281, 284, 285, 286, 329, 334, 327, 389, 864, 867, 901, 903, 1188, 1202, 1231, 1260, 1402, 1578, 1816, 1881, 1889, 1917, 1918, 1921, 1924, 1982, 2003, 2029, 2038, 2042, 2062, 2075, 2082, 2087, 2091, 2095, 2100, 2368, 2369, 2391, 2744, 2890, 2968, 2970, 2972, 2973, 3092, 3098, 3582, 3584, 3654
NEW RECORDS, 43, 82, 221, 224, 225, 246, 247, 248, 250, 251, 252, 270, 275, 304, 328, 330, 332, 445, 558, 559, 720, 812, 868, 873, 875, 880, 882, 886, 887, 895, 899, 900, 970, 978, 983, 988, 989, 1036, 1051, 1148, 1152, 1153, 1155, 1156, 1161, 1197, 1198, 1200, 1208, 1219, 1242, 1357, 1407, 1409, 1473, 1496, 1497, 1519, 1571, 1574, 1575, 1583, 1618, 1619, 1620, 1622, 1623, 1706, 1715, 1722, 1761, 1814, 1847, 1849, 1857, 1858, 1874, 1893, 1887, 1892, 1920, 1932, 1953, 1954, 1968, 1970, 1978, 1983, 1986, 1987, 1989, 1991, 1992, 2001, 2004, 2010, 2014, 2020, 2023, 2025, 2028, 2030, 2033, 2034, 2035, 2036, 2049, 2050, 2052, 2057, 2058, 2060, 2063, 2065, 2067, 2069, 2071, 2072, 2073, 2074, 2076, 2077, 2078, 2081, 2083, 2084, 2086, 2088, 2090, 2094, 2097, 2098, 2099, 2101, 2102, 2103, 2105, 2106, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2119, 2120, 2121, 2123, 2127, 2129, 2130, 2131, 2137, 2140, 2142, 2144, 2145, 2150, 2163, 2164, 2165, 2170, 2171, 2172, 2174, 2175, 2176, 2178, 2181, 2188, 2191, 2192, 2196, 2202, 2204, 2205, 2206, 2212, 2214, 2215, 2216, 2217, 2219, 2222, 2223, 2225, 2228, 2235, 2272, 2271, 2289, 2303, 2317, 2357, 2374, 2381, 2388, 2639, 2714, 2795, 2796, 2797, 2799, 2800, 2835, 2836, 2845, 2879, 2886, 2920, 2942, 2961, 2968, 2970, 2971, 2974, 3019, 3020, 3023, 3029, 3094, 3127, 3137, 3151, 3190, 3191, 3192, 3193, 3194, 3197, 3198, 3200, 3202, 3203, 3207, 3209, 3211, 3243, 3270, 3287, 3288, 3297, 3324, 3325, 3326, 3329, 3330, 3332, 3333, 3336, 3346, 3399, 3455, 3492, 3493, 3496, 3497, 3499, 3501, 3502, 3503, 3504, 3607, 3649, 3655, 3660, 3718, 3719, 3720, 3756, 3758, 3760, 3872, 3873, 3882, 3887, 3934
NEW TAXA, 5, 15, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 42, 44, 45, 48, 49, 50, 51, 52, 53, 63, 64, 65, 66, 67, 68, 69, 80, 94, 126, 129, 130, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 153, 154, 155, 156, 157, 158, 160, 161, 162, 164, 165, 166, 168, 169, 170, 172, 173, 174, 175, 176, 179, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 200, 201, 202, 203, 204, 205, 207, 208, 209, 211, 212, 213, 215, 227, 228, 230, 241, 243, 244, 245, 258, 259, 260, 269, 270, 271, 272, 273, 274, 276, 277, 278, 280, 281, 283, 284, 285, 286, 287, 288, 289, 291, 294, 295, 296, 297, 298, 299, 300, 302, 305, 306, 310, 311, 313, 314, 315, 316, 317, 318, 320, 335, 337, 338, 341, 344, 345, 346, 348, 349, 355, 362, 369, 371, 373, 398, 475, 476, 482, 484, 487, 494, 515, 524, 528, 536, 538, 539, 540, 541, 542, 544, 545, 546, 551, 552, 554, 555, 556, 559, 560, 561, 564, 565, 566, 567, 568, 569, 570, 572, 573, 574, 575, 576, 577, 582, 587, 598, 607, 609, 610, 612, 613, 614, 615, 616, 618, 619, 620, 622, 631, 635, 646, 660, 667, 670, 674, 677, 698, 699, 700, 703, 705, 708, 709, 710, 711, 722, 725, 740, 749, 751, 781, 784, 790, 819, 820, 821, 822, 823, 824, 825, 826, 827, 833, 841, 850, 855, 858, 859, 863, 870, 872, 875, 881, 896, 902, 903, 905, 906, 907, 908, 909, 915, 917, 918, 920, 924, 925, 931, 935, 936, 937, 938, 949, 954, 974, 976, 977, 980, 982, 985, 1040, 1057, 1058, 1063, 1072, 1074, 1080, 1081, 1088, 1095, 1098, 1103, 1105, 1228, 1120, 1122, 1123, 1124, 1125, 1140, 1141, 1142, 1151, 1162, 1163, 1165, 1167, 1168, 1170, 1172, 1176, 1177, 1178, 1180, 1181, 1182, 1184, 1185, 1186, 1189, 1190, 1191, 1193, 1195, 1196, 1199, 1201, 1203, 1204, 1205, 1207, 1209, 1210, 1211, 1212, 1215, 1216, 1217, 1218, 1221, 1223, 1224, 1225, 1226, 1227, 1231, 1233, 1234, 1235, 1236, 1237, 1238, 1241, 1243, 1245, 1246, 1247, 1249, 1250, 1251, 1252, 1254, 1255, 1256, 1259, 1261, 1266, 1277, 1279, 1280, 1284, 1285, 1286, 1287, 1288, 1289, 1292, 1293, 1297, 1299, 1301, 1302, 1303, 1304, 1305, 1314, 1315, 1316, 1317, 1318, 1320, 1321, 1322, 1329, 1331, 1332, 1338, 1347, 1355, 1362, 1363, 1412, 1413, 1414, 1415, 1416, 1436, 1441, 1464, 1465, 1466, 1471, 1486, 1487, 1488, 1490, 1492, 1499, 1501, 1504, 1505, 1506, 1507, 1508, 1543, 1544, 1545, 1546, 1547, 1553, 1554, 1567, 1576, 1579, 1580, 1581, 1594, 1603, 1604, 1606, 1609, 1611,

1614, 1615, 1616, 1621, 1626, 1627, 1633, 1635, 1636, 1637, 1638, 1641, 1642, 1645, 1646, 1647, 1648, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1713, 1734, 1737, 1744, 1748, 1749, 1750, 1753, 1763, 1764, 1765, 1766, 1767, 1768, 1773, 1774, 1776, 1777, 1780, 1789, 1794, 1805, 1809, 1812, 1816, 1817, 1818, 1819, 1831, 1841, 1842, 1843, 1845, 1846, 1847, 1850, 1851, 1853, 1854, 1855, 1860, 1861, 1863, 1867, 1873, 1881, 1893, 1891, 1898, 1906, 1907, 1909, 1910, 1911, 1913, 1914, 1916, 1920, 1921, 1922, 1925, 1926, 1928, 1929, 1930, 1931, 1933, 1934, 1936, 1937, 1938, 1947, 1948, 1949, 1950, 1957, 1977, 1984, 1993, 1994, 1995, 1998, 2000, 2003, 2006, 2007, 2008, 2011, 2014, 2023, 2035, 2041, 2042, 2051, 2053, 2056, 2061, 2064, 2065, 2072, 2080, 2082, 2096, 2100, 2104, 2122, 2124, 2132, 2136, 2154, 2162, 2173, 2182, 2193, 2195, 2197, 2198, 2201, 2203, 2207, 2218, 2224, 2230, 2232, 2234, 2236, 2258, 2262, 2268, 2270, 2276, 2293, 2298, 2307, 2326, 2327, 2332, 2333, 2340, 2341, 2342, 2343, 2344, 2346, 2356, 2358, 2360, 2361, 2362, 2366, 2368, 2372, 2377, 2380, 2390, 2391, 2393, 2394, 2413, 2414, 2415, 2416, 2417, 2422, 2423, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2533, 2534, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2563, 2564, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2575, 2576, 2580, 2581, 2582, 2583, 2584, 2586, 2587, 2588, 2591, 2592, 2594, 2610, 2611, 2638, 2640, 2643, 2644, 2645, 2659, 2688, 2691, 2702, 2705, 2707, 2709, 2710, 2748, 2750, 2751, 2752, 2753, 2755, 2757, 2758, 2761, 2770, 2798, 2799, 2800, 2802, 2816, 2838, 2861, 2862, 2863, 2866, 2871, 2872, 2878, 2885, 2888, 2892, 2898, 2899, 2900, 2913, 2915, 2916, 2917, 2919, 2920, 2932, 2934, 2939, 2944, 2956, 2957, 2962, 2964, 2968, 2970, 2971, 2972, 2973, 2976, 2977, 2980, 2981, 2983, 2984, 2996, 3001, 3002, 3003, 3004, 3021, 3043, 3050, 3079, 3082, 3091, 3092, 3093, 3095, 3096, 3097, 3098, 3104, 3112, 3113, 3114, 3130, 3132, 3142, 3153, 3161, 3162, 3163, 3168, 3169, 3178, 3181, 3185, 3186, 3219, 3223, 3225, 3226, 3227, 3233, 3253, 3259, 3260, 3261, 3264, 3265, 3281, 3284, 3285, 3291, 3292, 3293, 3309, 3310, 3311, 3312, 3315, 3318, 3322, 3323, 3332, 3340, 3345, 3346, 3348, 3351, 3357, 3362, 3363, 3366, 3370, 3371, 3372, 3378, 3390, 3407, 3409, 3420, 3423, 3427, 3428, 3432, 3462, 3464, 3469, 3470, 3471, 3488, 3497, 3504, 3505, 3510, 3530, 3534, 3566, 3572, 3573, 3575, 3579, 3580, 3581, 3582, 3583, 3584, 3585, 3586, 3610, 3612, 3634, 3646, 3652, 3674, 3675, 3676, 3677, 3678, 3680, 3681, 3684, 3685, 3693, 3694, 3695, 3696, 3698, 3699, 3703, 3705, 3724, 3727, 3728, 3735, 3738, 3741, 3744, 3747, 3751, 3753, 3754, 3756, 3759, 3761, 3762, 3763, 3764, 3767, 3769, 3770, 3774, 3775, 3777, 3781, 3790, 3791, 3792, 3793, 3832, 3841, 3847, 3856, 3857, 3875, 3876, 3880, 3881, 3886, 3888, 3889, 3936, 3938, 3939, 3955, 3958, 3961, 3965, 3967, 3969, 3994, 3997, 4008, 4021, 4030, 4032, 4035, 4042, 4046, 4047

NEW YORK, 711

NEW ZEALAND, 770, 1054, 1791, 2819, 3958

NEZUMIA BUBONIS IWAMOTO 1974, 2264

NEZUMIA KAPALA IWAMOTO & WILLIAMS 1999, 2278

NEZUMIA LEUCOURA IWAMOTO & WILLIAMS 1999, 2278

NEZUMIA MERRETTI IWAMOTO & WILLIAMS 1999, 2278

NEZUMIA PARINI HUBBS & IWAMOTO 1977, 2243

NEZUMIA WULARNIA IWAMOTO & WILLIAMS 1999, 2278

NICARAGUA, 1471

NICEFORONIA GOIN & COCHRAN 1963, 1567

NICEFORONIA NANA GOIN & COCHRAN 1963, 1567

NICOTIANA ARENTSII GOODSPEED 1944, 1585

NICOTIANA NESOPHILA JOHNSTON 1931, 2314

NICOTIANA PETUNIAEFLORA GREENE 1885, 1636

NIPPONAPHIS CUSPIDDATAE ESSIG & KUWANA 1918, 1376

NIRMUS ACTOPHILUS KELLOGG & CHAPMAN 1899, 2595

NIRMUS ARARIUS KELLOGG 1896, 2591

NIRMUS ATOPUS KELLOGG 1899, 2593

NIRMUS AUDAX KELLOGG 1899, 2593

NIRMUS BOEPHILUS KELLOGG 1896, 2591

NIRMUS COMPLEXIVUS KELLOGG & CHAPMAN 1899, 2595

NIRMUS DUCTILIS KELLOGG & CHAPMAN 1899, 2595

NIRMUS EUSTIGMUS KELLOGG 1896, 2592

NIRMUS FARALLONII KELLOGG 1896, 2591

NIRMUS FOEDUS KELLOGG & CHAPMAN 1899, 2595

NIRMUS GIGANTICOLA KELLOGG 1896, 2591

NIRMUS HEBES KELLOGG 1896, 2591

NIRMUS ILLUSTRIS KELLOGG 1896, 2592

NIRMUS INCOENIS KELLOGG & CHAPMAN 1899, 2595

NIRMUS INTERPOSITUS KELLOGG 1899, 2593

NIRMUS LAUTIUSCULUS KELLOGG & CHAPMAN 1899, 2595

NIRMUS LONGUS KELLOG 1896, 2592

NIRMUS MARITIMUS KELLOGG & CHAPMAN 1899, 2595

NIRMUS OPACUS KELLOGG & CHAPMAN 1899, 2595

NIRMUS PACIFICUS KELLOGG & CHAPMAN 1899, 2595
NIRMUS PENINSULARIS KELLOGG 1899, 2593
NIRMUS SIMPLEX KELLOG 1896, 2592
NIRMUS SPLENDIDUS KELLOGG 1899, 2593
NIRMUS VIRGATUS KELLOGG 1899, 2593
NIRMUS VULGATUS KELLOGG 1896, 2592
NISAXIS CINCINNATA CASEY 1887, 711
NISAXIS MARITIMA CASEY 1887, 711
NISIA SUISAPANA FENNAH 1956, 1423
NISO ANTISELLI ANDERSON & MARTIN 1914, 53
NISO PISTILIFORMIS ANDERSON & HANNA 1925, 51
NISSOLIA SETOSA BRANDEGEE 1891, 541
NITELA CONSTRUCTOR PULAWSKI 2010, 3162
NITOPHYLLUM, 3014
NITOPHYLLUM CORALLINARUM NOTT 1900, 3014
NITSCHIA MOHOLENSIS SCHRADER 1974, 3371
NITZSCHIA BELLA SOVEREIGN 1963, 3488
NITZSCHIA BURCKLIA SCHRADER 1974, 3371
NITZSCHIA DUBIUS KELLOGG 1896, 2592
NITZSCHIA HONDOENSIS HANNA & GRANT 1926, 1748
NITZSCHIA KANAYENSIS SCHRADER 1974, 3371
NITZSCHIA NELSONI HANNA & GRANT 1926, 1748
NITZSCHIA PERSPICUA SOVEREIGN 1963, 3488
NITZSCHIA PRINCEPS HANNA & GRANT 1926, 1748
NITZSCHIA RIEDELIA SCHRADER 1974, 3371
NITZSCHIA SEIBOLDIA SCHRADER 1974, 3371
NOAH'S ARK, 581
NOCTICANACE ASHLOKI WIRTH 1969, 3992
NOCTICANACE CURIOI WIRTH 1969, 3992
NOCTICANACE DARWINI WIRTH 1969, 3992
NOCTICANACE SCAPANIUS WIRTH 1969, 3992
NOCTICANACE USINGERI WIRTH 1969, 3992
NODOCION ECLECTICUS CHAMBERLIN 1924, 717
NODOCION PRAGMATICUS CHAMBERLIN 1924, 717
NODOCION SYNTHETICUS CHAMBERLIN 1924, 717
NODOPUS CAVICEPS MARSHALL 1951, 2827
NODOPUS MARSHALL 1951, 2827
NODOSARELLA COALINGENSIS CUSHMAN & CHURCH 1929, 924
NODOSARIA HEXENSIS CHURCH 1968, 751
NOLINA, 1198
NOLINA BELDINGI BRANDEGEE 1890, 539
NOMENCLATURE, 5, 37, 103, 104, 119, 180, 279, 284, 292, 293, 297, 302, 329, 334, 333, 389, 390, 442, 444, 446, 469, 508, 509, 512, 516, 699, 721, 819, 867, 903, 904, 919, 1042, 1053, 1083, 1175, 1187, 1194, 1213, 1240, 1306, 1307, 1402, 1577, 1578, 1716, 1730, 1775, 1783, 1848, 1923, 1934, 2013, 2038, 2062, 2068, 2075, 2100, 2147, 2177, 2185, 2299, 2315, 2364, 2367, 2395, 2621, 2669, 2716, 2744, 2847, 2850, 2929, 2943, 2953, 2955, 2973, 2978, 3021, 3201, 3213, 3220, 3234, 3398, 3499, 3582, 3842, 3885, 3886, 3956, 3971
NOMIA HOWARDI VANDUZEEI COCKERELL 1924, 775
NOPSIDES CERALBONA CHAMBERLIN 1924, 717
NOPSIDES CHAMBERLIN 1924, 717
NOPS OVALIS BANKS 1898, 259
NOPS STERNALIS BANKS 1898, 259
NORELLIA OCCIDENTALIS MALLOCH 1919, 2814
NORTH AMERICA, 21, 134, 295, 497, 516, 525, 655, 663, 683, 710, 711, 725, 771, 788, 789, 890, 1076, 1108, 1128, 1146, 1377, 1485, 1724, 1741, 1759, 1944, 1948, 2247, 2323, 2331, 2340, 2348, 2354, 2378, 2392, 2407, 2599, 2636, 2680, 2735, 2745, 2791, 2803, 2811, 2814, 2826, 2944, 2965, 3036, 3047, 3048, 3107, 3158, 3253, 3254, 3273, 3286, 3308, 3318, 3397, 3482, 3560, 3602, 3617, 3621, 3738, 3773, 3776, 3785, 3786, 3794, 3796, 3798, 3799, 3800, 3801, 3804, 3808, 3812, 3816, 3839, 3881, 3888, 3898, 3914, 3930, 3975, 4015
NORTH AMERICA:PACIFIC COAST, 368, 828, 832, 833, 1206, 2754, 2755, 3918
NORTH AMERICA (WESTERN), 22, 118, 268, 304, 371, 397, 499, 590, 693, 694, 710, 813, 867, 1000, 1611, 1734, 1742, 1774, 1777, 1822, 1852, 2186, 3422, 3575, 3577, 3604, 3641, 3730, 3731
NORWAY, 1
NOSTOCERAS STERNBERGI ANDERSON & HANNA 1935, 52
NOTHOCALAIS CUSPIDATA GREENE 1886, 1639
NOTHOCALAIS TROXIMOIDES GREENE 1886, 918, 1639
NOTHOSYMPYCNUS FORTUNATUS WHEELER 1899, 3889
NOTHOSYMPYCNUS OREAS WHEELER 1899, 3889
NOTHOSYMPYCNUS SOBRINUS WHEELER 1899, 3889
NOTHOSYMPYCNUS VEETUS WHEELER 1899, 3889
NOTHOSYMPYCNUS WHEELER 1899, 3889
NOTIBIUS COSTIPENNIS HORN 1894, 1935
NOTIBIUS REFLEXUS HORN 1894, 1935
NOTIODRILUS CRISTALIFER EISEN 1900, 1343
NOTIODRILUS WHITMANI EISEN 1900, 1343
NOTIOMYIA SAGITTOSA ROSS 1951, 3313
NOTIOPHILUS OBSCURUS HALL 1901, 1718
NOTOACMEA IMMACULATA LINDBERG & MCLEAN 1981, 2725
NOTOACMEA PUMILA LINDBERG & MCLEAN 1981, 2725
NOTOACMEA ROTHI LINDBERG & MCLEAN 1981, 2725
NOTOACMEA UBIQUITA LINDBERG & MCLEAN 1981, 2725
NOTOCHAETA INDUSA CURRAN 1936, 914
NOTODONTA PACIFICA BEHR 1892, 362
NOTODORIS SERENAE GOSLINER & BEHRENS 1997, 1605
NOTOGRAMMA PURPURATA COLE 1923, 786
NOTOMEGABALANUS INSPERATUS ZULLO & GURUSWAMI-NAIDU 1982, 4042
NOTONECTA SHOOTERII UHLER 1894, 3728

NOTORYNCHUS AYRES 1855, 165, 180, 213
NOTORYNCHUS MACULATUS AYRES 1855, 165, 213
NOTOSACANTHA SINICA GRESSITT 1952, 1661
NOTOSACANTHA TRITUBERCULATA GRESSITT 1952, 1661
NOTOTHYLAS GALAPAGENSIS HOWE 1934, 1945
NOTOTOXUS CAUDATUS HALL 1901, 1718
NOUMEA PROTEA GOSLINER 1994, 1600
NUCELLA MEGASTOMA VERMEIJ & POWELL 2004, 3832
NUCULANA LUCASANA STRONG & HERTLEIN 1937, 3602
NUCULA VITIS ANDERSON & HANNA 1925, 51
NUDIBRANCHIA (see under MOLLUSCA)
NULLIBROTHEAS WILLIAMS 1974, 3980
NUMULITES CARMENENSIS ANDERSON 1928, 49
NUPHAR, 2303
NUTTALL (THOMAS), 3474
NYCTILOCHUS KEWI DICKERSON 1915, 1057
NYCTUNGUIS DANZANTINUS CHAMBERLIN 1923, 716
NYCTUNGUIS LIBERCOLENS CHAMBERLIN 1923, 716
NYCTUNGUIS MIRUS CHAMBERLIN 1923, 716
NYLANDERIA DICHROA WHEELER 1934, 3893
NYMPHAEA, 3349
NYMPHOCIXIA UNIPUNCTATA VAN DUZEE 1923, 3802
NYMPHOCIXIA VAN DUZEE 1923, 3802
NYSIUS STRIGOSUS UHLER 1894, 3728
NYSIUS USITATUS ASHLOCK 1972, 132
OBITUARY, 74, 106, 107, 112, 124, 353, 492, 673, 1548, 1894, 1895, 1896, 2585, 3238, 3549, 3550, 3551, 3553
OCEAN CURRENTS, 940, 3237
OCEANIA, 1650
OCEANODROMA LEUCORHOA MACRODACTYLA BRYANT 1887, 627
OCEANOGRAPHY, 423, 1009, 1021, 2782, 2785, 2786, 3175, 3237, 3400
OCHODAEUS CALIFORNICUS HORN 1895, 1936
OCHODAEUS PENINSULARIS HORN 1895, 1936
OCHREMBIA ROSS 2001, 3308
OCHTERUS MINOR KORMILEV 1973, 2631
OCHTERUS PILIFERUS KORMILEV 1973, 2631
OCHTHEBIUS COSTIPENNIS HALL 1901, 1718
OCHTHEBIUS WICKHAMI HALL 1901, 1718
OCHTODES CROCKERI SETCHELL & GARDNER 1937, 3389
OCINEBRA KEEPI ARNOLD 1903, 126
OCNERODRILUS AGRICOLA EISEN 1893, 1331
OCNERODRILUS BEDDARDI EISEN 1893, 1331
OCNERODRILUS COMONDUI EISEN 1900, 1343
OCNERODRILUS CONTRACTUS EISEN 1893, 1331
OCNERODRILUS GUATEMALAE EISEN 1893, 1331
OCNERODRILUS HENDRIEI EISEN 1893, 1331
OCNERODRILUS LIMICOLA EISEN 1893, 1331
OCNERODRILUS MEXICANUS EISEN 1900, 1343
OCNERODRILUS OCCIDENTALIS EISEN 1900, 1343
OCNERODRILUS ROSAE EISEN 1893, 1331
OCNERODRILUS SANTI XAVIERI EISEN 1900, 1343
OCNERODRILUS SONORAE EISEN 1893, 1331
OCNERODRILUS TUBERCULATUS EISEN 1900, 1343
OCTAVIANIA BRUNNEOLA HARKNESS 1899, 1789
OCTAVIANIA CITRINA HARKNESS 1899, 1789
OCTAVIANIA MONTICOLA HARKNESS 1899, 1789
OCTAVIANIA OCCIDENTALIS HARKNESS 1899, 1789
OCTAVIANIA ROSEA HARKNESS 1884, 1773
OCTAVIANIA SOCIALIS HARKNESS 1899, 1789
OCTOCORALLIA:ALCYONACEA, 3949
OCTOCORALLIA:ALCYONIIDAE, 3947, 3953, 3960, 3964, 3966
OCTOCORALLIA:CHRYCOGORGIIDAE, 3956
OCTOCORALLIA:GORGONIIDAE, 670, 3961
OCTOCORALLIA:VIRGULARIIDAE, 3958
OCTOPUS PUNCTATUS GABB 1862, 1487
ODONATA, 674, 676, 1563
ODONTOBRACON GRANDIS ASHMEAD 1894, 129
ODONTOLIPARIS FEROX STEIN 1978, 3560
ODONTOTROPIS GALEONIS HANNA 1927, 1734
ODOSTOMIA AEPYNOTA PLANICOSTA BAKER & HANNA & STRONG 1928, 234
ODOSTOMIA AUDAX BAKER & HANNA & STRONG 1928, 234
ODOSTOMIA (CHRYSALLIDA) LIMBAUGHI HERTLEIN & ALLISON 1968, 1872
ODOSTOMIA CHURCHI SMITH & GORDON 1948, 3449
ODOSTOMIA CONTERASI BAKER & HANNA & STRONG 1928, 234
ODOSTOMIA DALLASI JORDAN 1926, 2345
ODOSTOMIA GABRIELENSIS BAKER & HANNA & STRONG 1928, 234
ODOSTOMIA GRIVALVAE BAKER & HANNA & STRONG 1928, 234
ODOSTOMIA HEATHI SMITH & GORDON 1948, 3449
ODOSTOMIA HERRERAE BAKER & HANNA & STRONG 1928, 234
ODOSTOMIA HERTLEINI STRONG 1938, 3597
ODOSTOMIA INCANTATA HERTLEIN & STRONG 1939, 1863
ODOSTOMIA INSIGNIFICA ANDERSON & HANNA 1925, 51
ODOSTOMIA MARTINENSIS STRONG 1938, 3597
ODOSTOMIA MENDOZAE BAKER & HANNA & STRONG 1928, 234
ODOSTOMIA NAVARETTEI BAKER & HANNA & STRONG 1928, 234
ODOSTOMIA PORTERI BAKER & HANNA & STRONG 1928, 234
ODOSTOMIA VIZCAINOANA BAKER & HANNA & STRONG 1928, 234
ODYNERUS (ANCISTROCERUS) LACUNUS FOX

1894, 1465
ODYNERUS SAUSSUREI FOX 1893, 1464
OECETICUS DAVIDSONII EDWARDS 1877, 1299
OECOBIUS ISOLATUS CHAMBERLIN 1924, 717
OEDEMBIA BURMANA ROSS 2007, 3312
OEDEMBIA DILATAMENTA ROSS 2007, 3312
OEDEMBIA ROSS 2007, 3312
OEDICEPHALUS ALBOMACULATUS ASHMEAD 1895, 130
OEDICERUS BEHRINGIENSIS LOCKINGTON 1877, 2751
OEDOLITHAX MIRA KELLOGG 1931, 2590
OENANTHE, 812
OENOTHERA, 1113, 3210
OENOTHERA ALBICAULIS GYPSOPHILA EASTWOOD 1897, 1124
OENOTHERA ARBOREA KELLOGG 1859, 2470
OENOTHERA ARCUATA KELLOGG 1855, 2438, 2549
OENOTHERA CARDIOPHYLLA VAR. PETIOLARIS JONES 1895, 2326
OENOTHERA CAVERNAE MUNZ 1941, 2973
OENOTHERA CEDROSENSIS GREENE 1885, 1636
OENOTHERA (CHYLISIMIA) CLAVAEFORMIS VAR. PEEBLESII MUNZ 1939, 2972
OENOTHERA CLAVAEFORMIS VAR. PURPURASCENS (WATS.) MUNZ 1941 [COMB. NOV.], 2973
OENOTHERA CRASSIFOLIA GREENE 1885, 1636
OENOTHERA CRUCIFORMIS KELLOGG 1863, 2509
OENOTHERA DENTATA VAR. GILMANII MUNZ 1938, 2970
OENOTHERA (EUAENOTHERA) HOOKERI VAR. HIRSUTISSIMA (GRAY) MUNZ [COMB. NOV.], 2972
OENOTHERA HETEROCHROMA VAR. MEGALANTHA MUNZ 1941, 2973
OENOTHERA NEVADENSIS KELLOGG 1863, 2509
OENOTHERA OVATA CURRAN 1888, 920
OENOTHERA PALLIDULA MUNZ 1938, 2970
OENOTHERA PRIMIVERIS VAR. CAULESCENS MUNZ 1946, 2976
OENOTHERA QUADRILVULNERA VAR. HIRSUTA KELLOGG 1873, 2569
OENOTHERA (RAIMANNIA) PENNELLII MUNZ 1939, 2972
OENOTHERA SCEPTROSTIGMA BRANDEGEE 1889, 524
OENOTHERA SPECIOSA VAR. CHILDSII (BAILEY) MUNZ 1939 [COMB. NOV.], 2970
OENOTHERA TENUISSIMA JONES 1895, 2326
OENOTHERA TUBICULA FILIFOLIA EASTWOOD 1897, 1124
OENOTHERA VIMINEA VAR. INTERMEDIA KELLOGG 1855, 2440, 2551
OGASAWARA ISLANDS, 1657
OGCOCEPHALIDAE:LOPHIIFORMES, 493
OGCOCEPHALUS CORNIGER BRADBURY 1980, 493
OGCOCEPHALUS DECLIVIROSTRIS BRADBURY 1980, 493
OGCOCEPHALUS PANTOSTICTUS BRADBURY 1980, 493
OGCOCEPHALUS PUMILUS BRADBURY 1980, 493
OGCOCEPHALUS ROSTELLUM BRADBURY 1980, 493
OKENIA ACADEMICA CAMACHO-GARCIA & GOSLINER 2004, 677
OKENIA ANGELICA GOSLINER & BERTSCH 2004, 1611
OKENIA BRUNNEOMACULATA GOSLINER 2004, 1603
OKENIA COCHIMI GOSLINER & BERTSCH 2004, 1611
OKENIA FELIS GOSLINER 2010, 1604
OKENIA KENDI GOSLINER 2004, 1603
OKENIA LAMBAT GOSLINER 2004, 1603
OKENIA LIKLIK GOSLINER 2004, 1603
OKENIA MEXICORUM GOSLINER & BERTSCH 2004, 1611
OKENIA PURPUREOLINEATA GOSLINER 2004, 1603
OKENIA VIRGINIAE GOSLINER 2004, 1603
OKLAHOMA, 296, 1575, 1579, 1583
OLIARUS AGRIPPA FENNAH 1967, 1424
OLIARUS ALABANDUS FENNAH 1967, 1424
OLIARUS ALASTOR FENNAH 1967, 1424
OLIARUS EXOPTATUS VAN DUZEE 1917, 3795
OLIARUS HESPERIUS VAN DUZEE 1917, 3795
OLIARUS NIGRONERVATUS FENNAH 1956, 1423
OLIARUS REMANSOR FENNAH 1967, 1424
OLIGEMBIA CAPENSIS ROSS 1984, 3304
OLIGOCENE, 1058, 3868
OLIGOCHAETA, 1329, 1331, 1332, 1333, 1336, 1337, 1340, 1343, 1514
OLIGOCHITON BERRY 1921, 397
OLIGOCHITON LIOPLAX BERRY 1921, 397
OLIGOCOTTUS BOREALIS JORDAN & SNYDER 1896, 2334
OLIGOCOTTUS EMBRYUM JORDAN & STARKS 1895, 2342
OLIGODON ORNATUS VAN DENBURGH 1909, 3762
OLIGOPLITES REFULGENS GILBERT & STARKS 1904, 1555
OLIGOPTERUS CUNEICOLLIS CASEY 1886, 709
OLIGOSITOIDES DOUTT 1968, 1075
OLIGOSITOIDES FLETCHERI DOUTT 1968, 1075
OLIGOTOMA BURMANA ROSS 2007, 3312
OLIGOTOMA UBICKI ROSS 2007, 3312
OLIGOTOMORPHA ROSS 2007, 3312
OLIOS NAURALISTICUS CHAMBERLIN 1924, 717
OLIOS POSITIVUS CHAMBERLIN 1924, 717
OLIOS PRAGMATICUS CHAMBERLIN 1924, 717
OLIOS SCEPTICUS CHAMBERLIN 1924, 717
OLIVA CALIFORNICA ANDERSON 1905, 45
OLIVA FUTHEYANA ANDERSON 1905, 45
OLIVA TUBERAENSIS ANDERSON 1929, 50
OLIVELLA SPISSA WARING 1917, 3858

OLLIUS QUADREATUS VAN DUZEE 1921, 3798
OLPIUM SLEVINI CHAMBERLIN 1923, 715
OMAN, 3054
ONAGRACEAE:FUCHSIA, 2975
ONCEROMETOPUS CALIFORNICUS VAN DUZEE 1918, 3796
ONCERUS CONVERGENS HORN 1894, 1935
ONCOCEPHALUS ERECTUS VAN DUZEE 1923, 3802
ONCODES AEDON TOWNSEND 1895, 3674
ONCOMYIA AEQUALIS VAN DUZEE 1927, 3812
ONCOMYIA ANGUSTICORNIS VAN DUZEE 1927, 3812
ONCOMYIA BREVIROSTRIS VAN DUZEE 1927, 3812
ONCOMYIA INFUSCIPES VAN DUZEE 1927, 3812
ONCOMYIA NIGRA VAN DUZEE 1927, 3812
ONCOMYIA TERMINALIS VAN DUZEE 1927, 3812
ONCOPHORUS ADVENA KELLOGG 1896, 2591
ONCOPHORUS REMOTUS KELLOGG & CHAPMAN 1899, 2595
ONCOPSIS CALIFORNICUS VAN DUZEE 1917, 3795
ONCOSEMBIA BIARMATA ROSS 2003, 3310
ONCOSEMBIA ROSS 2003, 3310
ONCOTYLUS GUTTULATUS UHLER 1894, 3728
ONCOTYLUS NUPERUS VAN DUZEE 1923, 3802
ONCOTYLUS PUBERUS UHLER 1894, 3728
ONYCHELUS NIGRESCENS CHAMBERLIN 1923, 716
ONYCHOTEUTHIS FUSIFORMIS GABB 1862, 1487
OPALIA RETIPOROSA CARPENTER 1866, 700
OPALIA SPONGIOSA CARPENTER 1866, 700
OPHICHTHIDAE, 2857, 2859, 2863
OPHICHTHIDAE:MYROPHINAE, 2858
OPHICHTHUS, 2875
OPHICHTHUS APACHUS MCCOSKER & ROSENBLATT 1998, 2875
OPHICHTHUS ARNEUTUS MCCOSKER & ROSENBLATT 1998, 2875
OPHICHTHUS KUNALOA MCCOSKER 1979, 2857
OPHICHTHUS LONGIPENIS MCCOSKER & ROSENBLATT 1998, 2875
OPHICHTHUS MECOPTERUS MCCOSKER & ROSENBLATT 1998, 2875
OPHICHTHUS MELOPE MCCOSKER & ROSENBLATT 1998, 2875
OPHICHTHUS TETRATREMA MCCOSKER & ROSENBLATT 1998, 2875
OPHICHTHYS PULLUS MCCOSKER 2005, 2862
OPHIOBLENNIUS FERNANDEZENSIS CLARK 1938, 756
OPHIOBLENNIUS PHALACRUS CLARK 1938, 756
OPHIOBLENNIUS XIPHIODON CLARK 1938, 756
OPHIOBOLUS BYSSICOLA HARKNESS 1884, 1773
OPHIOBOLUS CLAVIGER HARKNESS 1884, 1773
OPHIOCTEN CULVERI MAY 1924, 2839
OPHIODOTHIS TARDA HARKNESS 1884, 1773
OPHIOMORUS CHERNOVI ANDERSON & LEVITON 1966, 64
OPHIOMORUS RAITHMAI ANDERSON & LEVITON 1966, 64
OPHIOMORUS STREETI ANDERSON & LEVITON 1966, 64
OPHION SUBFULIGINOSUS ASHMEAD 1894, 129
OPHISTOMIS VENTRALIS HORN 1894, 1935
OPHISURUS CALIFORNIENSIS GARRETT 1863, 1505
OPHIUCHE MINUALIS CONSTANS HAYES 1975, 1804
OPIS ROSARIOENSIS ANDERSON & HANNA 1935, 52
OPISTHOBRANCHS, 1614
OPIS VIRGINALIS WARING 1917, 3858
OPTICS, 4004
OPUNTIA, 389
OPUNTIA ECHIOS GIGANTEA HOWELL 1933, 1964
OPUNTIA ERINACEA VAR. XANTHOSTEMA (K. SCHUM.) BENSON 1945 [COMB. NOV.], 389
OPUNTIA KUNZEI VAR. WRIGHTIANA (BAXTER) PEEBLES 1949 [COMB. NOV.], 3098
OPUNTIA MEGASPERMA HOWELL 1933, 1964
OPUNTIA MEGASPERMA ORIENTALIS HOWELL 1933, 1964
OPUNTIA MEGASPERMA TYPICA HOWELL 1933, 1964
OPUNTIA MOLESTA BRANDEGEE 1889, 524
OPUNTIA ROTUNDIFOLIA BRANDEGEE 1891, 544
OPUNTIA SAXICOLA HOWELL 1933, 1964
OPUNTIA ZACANA HOWELL 1933, 1964
ORASEMA VIRIDIS ASHMEAD 1895, 130
ORCHESTIA TRASKIANA STIMPSON 1856, 3572, 3573
ORCYNUS PACIFICUS COOPER 1863, 823
ORDGARIUS CORPULENTUS BANKS 1898, 259
ORDGARIUS OBESUS BANKS 1898, 259
OREGON, 44, 85, 87, 161, 208, 245, 247, 278, 281, 463, 464, 480, 720, 788, 789, 810, 866, 899, 906, 909, 910, 1036, 1051, 1055, 1089, 1185, 1196, 1197, 1200, 1205, 1214, 1215, 1224, 1226, 1238, 1252, 1279, 1519, 1566, 1589, 1634, 1741, 1774, 1817, 1842, 1843, 1867, 1891, 1973, 1982, 1999, 2010, 2014, 2016, 2064, 2110, 2131, 2143, 2144, 2145, 2146, 2185, 2191, 2227, 2277, 2358, 2359, 2645, 2838, 2868, 3001, 3004, 3023, 3025, 3028, 3029, 3042, 3092, 3093, 3094, 3095, 3096, 3097, 3168, 3169, 3334, 3336, 3422, 3488, 3504, 3560, 3581, 3654, 3755, 3766, 3776, 3985, 4000, 4038
OREOCARYA CAPITATA EASTWOOD 1937, 1196
OREOHELIX VARIABILIS HENDERSON 1929, 1829
OREOPASITES VANDUZEEI COCKERELL 1925, 776
OREORTYX PICTA CONFINIS ANTHONY 1889, 80
ORGYIA BADIA EDWARDS 1873, 1279
ORMOSIA PARADISEA ALEXANDER 1920, 21
ORNITHOLOGY, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 219, 264, 324, 352, 373, 374, 375, 378, 379, 380, 383, 384, 385, 468, 470, 491, 604, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 636, 637, 638, 639, 640, 641, 642, 644, 645, 651, 652, 654, 656, 657, 658, 746, 800, 817, 842, 852, 854, 948, 943, 1033, 1034, 1035, 1349, 1350, 1351, 1352, 1353, 1515, 1551, 1552, 1566,

1625, 1667, 1668, 1723, 1792, 2237, 2304, 2305, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2406, 2407, 2408, 2646, 2762, 2763, 2764, 2765, 2766, 2767, 2803, 2804, 2805, 2806, 2807, 2808, 2810, 2811, 2824, 2883, 2884, 2921, 3035, 3038, 3045, 3051, 3143, 3151, 3401, 3424, 3571, 3616, 3617, 3618, 3619, 3620, 3621, 3622, 3623, 3628, 3629, 3630, 3631, 3632, 3881, 3882, 4008
ORNITHOPUS, 2109, 2161
OROBANCHE FASCICULATA VAR. SUBULATA GOODMAN 1947, 1579
OROBANUS DENSUS CASEY 1886, 710
OROBANUS RUFIPES CASEY 1886, 710
OROPUS ABBREVIATUS CASEY 1886, 710
OROPUS CASEY 1886, 710
OROPUS CONVEXUS CASEY 1886, 710
OROPUS INTERRUPTUS CASEY 1886, 710
OROPUS MONTANUS CASEY 1887, 711
ORTHAGORISCUS ANALIS AYRES 1859, 169, 171, 3521
ORTHOCARPUS, 2389
ORTHOCARPUS BELDINGI GREENE 1885, 1634
ORTHOCARPUS CAMPESTRIS VAR. SUCCULENTUS HOOVER 1936, 1913
ORTHOCARPUS DENSIFLORUS VAR. NOCTUINUS (EASTW.) HOWELL 1948 [STAT. NOV.], 2100
ORTHOCARPUS FAUCIBARBATUS VAR. ALBIDUS (KECK) HOWELL 1948 [STAT. NOV.], 2100
ORTHOCARPUS SONOMENSIS EASTWOOD 1938, 1209
ORTHOLOMUS USINGERI ASHLOCK 1972, 132
ORTHONOPS CHAMBERLIN 1924, 717
ORTHOPHRYS MEXICANUS VAN DUZEE 1923, 3802
ORTHOPORUS NESIOTES CHAMBERLIN 1923, 716
ORTHOPORUS PUNCTILLIGER CHAMBERLIN 1923, 716
ORTHOPRISTIS REDDINGI JORDAN & RICHARDSON 1895, 2333
ORTHOPTERA, 1759, 1806, 2737, 3230, 3231, 3382
ORTHOPTERA:ACRIDIDAE, 1708
ORTHOPTERA:ACRIDOIDEA, 2608
ORTHOPTERA:GRYLLACRIDIDAE, 3232
ORTHOPTERA:ROMALEIDAE, 2723, 3271
ORTHOSTIBIA BLAISDELL 1923, 405
ORTHOSTIBIA FRATERNA BLAISDELL 1943, 410
ORTHOSTIBIA FRONTALIS BLAISDELL 1923, 405
ORTHOSTIBIA MURICATA BLAISDELL 1943, 410
ORTHOTRICHEAE KINGIANUM LESQUEREUX 1868, 2688
ORTHOTRICHUM TENELLUM VAR. CYLINDROCARPUM (LESQ.) KOCK 1950 [COMB. NOV.], 2618
ORTHOTYLUS AFFINIS VAN DUZEE 1916, 3794
ORTHOTYLUS ALBOCOSTATUS VAN DUZEE 1918, 3796
ORTHOTYLUSANGULATUS BRAUNNEUS VAN DUZEE 1916, 3794
ORTHOTYLUS CANDIDATUS VAN DUZEE 1916, 3794
ORTHOTYLUS CATULUS VAN DUZEE 1916, 3794
ORTHOTYLUS CONTRASTUS VAN DUZEE 1925, 3804
ORTHOTYLUS CRUCIATUS VAN DUZEE 1916, 3794
ORTHOTYLUS CUNEATUS VAN DUZEE 1916, 3794
ORTHOTYLUS CUPRESSI VAN DUZEE 1925, 3804
ORTHOTYLUS DEMENSUS VAN DUZEE 1925, 3804
ORTHOTYLUS DODGEI VAN DUZEE 1921, 3798
ORTHOTYLUS FEROX VAN DUZEE 1916, 3794
ORTHOTYLUS FORMOSUS VAN DUZEE 1916, 3794
ORTHOTYLUS FRATERNUS VAN DUZEE 1916, 3794
ORTHOTYLUS FUMIDUS VAN DUZEE 1916, 3794
ORTHOTYLUS HAMATUS VAN DUZEE 1918, 3796
ORTHOTYLUS INSIGNIS VAN DUZEE 1916, 3794
ORTHOTYLUS KNIGHTI VAN DUZEE 1916, 3794
ORTHOTYLUS LANGUIDUS VAN DUZEE 1916, 3794
ORTHOTYLUS LATERALIS VAN DUZEE 1916, 3794
ORTHOTYLUS MODESTUS VAN DUZEE 1916, 3794
ORTHOTYLUS MOLLICULUS VAN DUZEE 1916, 3794
ORTHOTYLUS NECOPINUS VAN DUZEE 1916, 3794
ORTHOTYLUS NIGRINASI VAN DUZEE 1916, 3794
ORTHOTYLUS ORNATUS VAN DUZEE 1916, 3794
ORTHOTYLUS OVATUS VAN DUZEE 1916, 3794
ORTHOTYLUS PLUCHEAE VAN DUZEE 1925, 3804
ORTHOTYLUS PULLATUS VAN DUZEE 1916, 3794
ORTHOTYLUS SENECTUS VAN DUZEE 1916, 3794
ORTHOTYLUS SERUS VAN DUZEE 1921, 3798
ORTHOTYLUS TIBIALIS VAN DUZEE 1916, 3794
ORTHOTYLUS UNIFORMIS VAN DUZEE 1916, 3794
ORTHOTYLUS VIGILAX VAN DUZEE 1923, 3802
ORTHOTYLUS VIRIDIS VAN DUZEE 1916, 3794
ORUS FEMORATUS HALL 1901, 1718
ORUS MONTANUS HALL 1901, 1718
ORUS PARALLELUS CASEY 1886, 710
ORYCTES, 2025
OSCARELLA CARMELA MURICY & PEARSE 2004, 2981
OSCINELLA SOLOMENSIS CURRAN 1936, 914
OSCINELLA VIXEN CURRAN 1936, 914
OSMANTHUS, 1192
OSMERUS ELONGATUS AYRES 1854, 142, 189
OSMERUS THALEICHTHYS AYRES 1860, 172
OSMIA APRILINA ATROVIRENS SANDHOUSE 1924, 3354
OSMIA BAKERI SANDHOUSE 1924, 3354
OSMIA CELSA SANDHOUSE 1924, 3354
OSMIA ENIXA SANDHOUSE 1924, 3354
OSMIA EXILIS SANDHOUSE 1924, 3354
OSMIA KERMINESINA SANDHOUSE 1924, 3354
OSMIA LAETA SANDHOUSE 1924, 3354
OSMIA NEMORIS SANDHOUSE 1924, 3354
OSMIA PARADISICA SANDHOUSE 1924, 3354
OSMIA PELLAX SANDHOUSE 1924, 3354
OSMIA PERIDONEA SANDHOUSE 1924, 3354
OSMIA PROPOSITA SANDHOUSE 1924, 3354
OSMIA ROSTRATA SANDHOUSE 1924, 3354

OSMIA SECLUSA SANDHOUSE 1924, 3354
OSMIA SEDULA SANDHOUSE 1924, 3354
OSMIA SOLITARIA SANDHOUSE 1924, 3354
OSMIA VANA SANDHOUSE 1924, 3354
OSMIA VANDUZEEI SANDHOUSE 1924, 3354
OSMIA VANDYKEI SANDHOUSE 1924, 3354
OSMIA VISENDA SANDHOUSE 1924, 3354
OSPIOCERUS PAINTERORUM MARTIN 1968, 2830
OSPRIOCERUS ALAMOSENSIS MARTIN 1968, 2830
OSPRIOCERUS GALADAE MARTIN 1968, 2830
OSPRIOCERUS SINALOENSIS MARTIN 1968, 2830
OSPRIOCERUS VALLENSIS MARTIN 1968, 2830
OSPRIOCERUS VILLUS MARTIN 1968, 2830
OSPRIOCERUS YOUNGI MARTIN 1968, 2830
OSTEA FREUDENBERGI HERTLEIN & JORDAN 1927, 1873
OSTEOCELLA SEPTENTRIONALIS STEARNS 1873, 3537
OSTEODISCUS CASCADIAE STEIN 1978, 3560
OSTREA ANGERMANNI HERTLEIN & JORDAN 1927, 1873
OSTREA AVICULIFORMIS ANDERSON 1905, 45
OSTREA BOURGEOISII RÉMOND 1863, 3226
OSTREA CALIFORNICA OSUNAI HERTLEIN 1966, 1868
OSTREA EDULIS, 2634
OTIDOCEPHALUS ALTERNATUS HORN 1895, 1936
OTIDOCEPHALUS CARINICOLLIS HORN 1895, 1936
OTIDOCEPHALUS SPARSUS HORN 1895, 1936
OTION STIMPSONI DALL 1872, 938
OULOPHYLLIA CALIFORNICA DURHAM 1942, 1103
OVULA PUANA ANDERSON 1929, 50
OWANIA MEXICANA VAR DUBIA BRANDEGEE 1901, 566
OXACIS DEBILIS HORN 1896, 1938
OXACIS DUBIOSA HORN 1896, 1938
OXACIS FLORIDANA HORN 1896, 1938
OXACIS FRAGILIS HORN 1896, 1938
OXACIS GRISEA HORN 1896, 1938
OXACIS LAEVICOLLIS HORN 1896, 1938
OXACIS SORORIA HORN 1896, 1938
OXACIS SUBFUSCA HORN 1896, 1938
OXAEA VAGANS FOX 1894, 1465
OXALIS, 3295, 3296
OXALIS OREGENA VAR. SMALLII (KNUTH) PECK 1954 [COMB. NOV.], 3095
OXYAPHUS ANGUSTIFOLIUS VAR. VISCIDUS EASTWOOD 1896, 1122
OXYBAPHUS, 284
OXYBAPHUS FROEBELII BEHR 1855, 338, 349
OXYBAPHUS POLYTRICHUS (STABDL.) BARNEBY 1947 [COMB. NOV.], 284
OXYBELUS VENTRALIS FOX 1894, 1465
OXYCHEILINUS LINEATUS RANDALL & WESTNEAT & GOMON 2003, 3181
OXYCHEILINUS NIGROMARGINATUS RANDALL & WESTNEAT & GOMON 2003, 3181
OXYOPEIDON ABSOLUTUM CHAMBERLIN 1924, 717
OXYOPEIDON ABSOLUTUM OBLIQUUM CHAMBERLIN 1924, 717
OXYOPEIDON COMMUNICANS CHAMBERLIN 1925, 718
OXYOPEIDON CUBANUM CHAMBERLIN 1925, 718
OXYOPEIDON HAYTIANUM CHAMBERLIN 1925, 718
OXYOPEIDON TUBERCULATUM CHAMBERLIN 1925, 718
OXYOPES ACTOPHILUS CHAMBERLIN 1924, 717
OXYOPES CLASSICUS CHAMBERLIN 1925, 718
OXYPODA INSIGNIS CASEY 1885, 708
OXYROPIS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
OXYROPIS WRIGHTIANA C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
OXYTHECA, 2217
OXYTROPIS, 304
OXYTROPIS BESSEYI VAR. ARGOPHYLLA (RYDB.) BARNEBY 1951 [STAT. NOV.], 292
OXYTROPIS BESSEYI VAR. VENTOSA (GREENE) BARNEBY 1951 [STAT. NOV.], 292
OXYTROPIS CAMPESTRIS VAR. COLUMBIANA (ST. JOHN) BARNEBY 1951 [STAT. NOV.], 292
OXYTROPIS CAMPESTRIS VAR. CUSICKII (GREENM.) BARNEBY 1951 [STAT. NOV.], 292
OXYTROPIS CAMPESTRIS VAR. DAVISII WELSH 1963, 3877
OXYTROPIS CAMPESTRIS VAR. DISPAR (A. NELS.) BARNEBY 1951 [STAT. NOV.], 292
OXYTROPIS CAMPESTRIS VAR. GRACILIS (A. NELS.) BARNEBY 1951 [STAT. NOV.], 292
OXYTROPIS CAMPESTRIS VAR. JORDALII (PORSILD.) WELSH 1963 [COMB. NOV.], 3877
OXYTROPIS DEFLEXA VAR. FOLIOLOSA (HOOK.) BARNEBY 1951 [COMB. NOV.], 292
OXYTROPIS JONESII BARNEBY 1952, 295
OXYTROPIS LAGOPUS VAR. ATROPURPUREA (RYDB.) BARNEBY 1951 [STAT. NOV.], 292
OXYTROPIS LAMBERTII VAR. ARTICULATA (GREENE) BARNEBY 1951 [STAT. NOV.], 292
OXYTROPIS NIGRESCENS VAR. LONCHOPODA BARNEBY 1963, 304
OXYTROPIS SERICEA VAR. SPICATA (HOOK.) BARNEBY 1951 [COMB. NOV.], 292
OZARBA CONSTERNANS HAYES 1975, 1804
OZOPHORA UNICOLOR UHLER 1894, 3728
PACHYBRACHIUS NESOVINCTUS ASHLOCK 1972, 132
PACHYBRACHYS INDIFFERENS FALL 1927, 1417
PACHYBRACHYS XANTHOCHROUS 1927, 1417
PACHYCARA CROSSACANTHUM ANDERSON 1989, 57

PACHYCARA GYMNINIUM ANDERSON & PEDEN 1988, 59
PACHYCARA LEPINIUM ANDERSON & PEDEN 1988, 59
PACHYCARA MESOPORUM ANDERSON 1989, 57
PACHYCARA PAMMELAS ANDERSON 1989, 57
PACHYCARA RIMAE ANDERSON 1989, 57
PACHYCARA SHCHERBACHEVI ANDERSON 1989, 57
PACHYCARA SULAKI ANDERSON 1989, 57
PACHYCHELES PUBESCENS HOLMES 1900, 1908
PACHYCHOETA CARACASAE MARTIN 1975, 2831
PACHYCHOETA INCA MARTIN 1975, 2831
PACHYCHOETA MAYA MARTIN 1975, 2831
PACHYDACTYLUS CARINATYS BAUER & LAMB & BRANCH 2006, 318
PACHYDACTYLUS GOODI BAUER & LAMB & BRANCH 2006, 318
PACHYDACTYLUS GRIFFINI BAUER & LAMB & BRANCH 2006, 318
PACHYDACTYLUS MCLACHLANI BAUER & LAMB & BRANCH 2006, 318
PACHYDACTYLUS MONICAE BAUER & LAMB & BRANCH 2006, 318
PACHYDACTYLUS OCTAVIENSIS BAUER & LAMB & BRANCH 2006, 318
PACHYDACTYLUS PARASCUTATUS BAUER & LAMB & BRANCH 2002, 317
PACHYDACTYLUS RECONDITUS BAUER & LAMB & BRANCH 2006, 318
PACHYDACTYLUS VISSERI BAUER & LAMB & BRANCH 2006, 318
PACHYDISCUS HENLEYENSIS ANDERSON 1902, 44
PACHYDISCUS MERRIAMI ANDERSON 1902, 44
PACHYDISCUS SACRAMENTICUS ANDERSON 1902, 44
PACHYLEMBIA AUTLANAE ROSS 2001, 3308
PACHYLEMBIA COLIMAE ROSS 2001, 3308
PACHYLEMBIA ROSS 1984, 3304
PACHYLEMBIA TAXCOENSIS ROSS 1984, 3304
PACHYLEMBIA UNICINCTA ROSS 1984, 3304
PACHYMENES IMPUNCTATUS BOHART 1948, 472
PACHYNEMATUS VENUSTUS MACGILLIVRAY 1921, 1759
PACHYNEMATUS VERNUS MACGILLIVRAY 1921, 1759
PACHYPALAMINUS BOULENGERI THOMPSON 1912, 3652
PACHYPALAMINUS THOMPSON 1912, 3652
PACHYPHLOEUS CARNEUS HARKNESS 1899, 1789
PACHYSTIMA, 2057
PACIFIC, 59, 310, 486, 914, 1058, 1060, 1373, 1451, 1509, 1617, 1680, 1752, 2243, 2244, 2266, 2273, 2311, 2775, 2776, 2874, 2887, 2987, 2999, 3179, 3180, 3279, 3298, 3347, 3380, 3381, 3384, 3731, 3772, 3846, 3949, 3993
PACIFIC COAST, 44, 163, 210, 371, 677, 693, 710, 831, 1025, 1026, 1029, 1140, 1554, 1561, 1610, 1611, 1776, 1777, 1790, 2016, 2253, 2307, 2727, 2750, 2917, 3014, 3081, 3090, 3150, 3237, 3284, 3357, 3363, 3528, 3533, 3739, 3906, 3913, 3917, 3997
PACIFIC COAST (NORTHWEST), 462, 670, 936, 937
PACIFIC (EASTERN), 670
PACIFIC (NORTHWEST), 877, 2801, 3026
PACIFIC OCEAN (NORTHEAST), 416, 3955
PACIFIC (SOUTH), 1649, 1656
PACIFIGORGIA DAMPIERI WILLIAMS & BREEDY 2004, 3961
PACIFIGORGIA RUBRIPUNCTATA WILLIAMS & BREEDY 2004, 3961
PACIFIGORGIA SYMBIOTICA WILLIAMS & BREEDY 2004, 3961
PACIFIPHYTON WILLIAMS 1997, 3949
PACIFYPHYTON BOLLANDI WILLIAMS 1997, 3949
PADILLA ASTINA ANDRIAMALALA 2007, 68
PADILLA BORITANDROKA ANDRIAMALALA 2007, 68
PADILLA FOTY ANDRIAMALALA 2007, 68
PADILLA GRISWOLDI ANDRIAMALALA 2007, 68
PADILLA LAVATANDROKA ANDRIAMALALA 2007, 68
PADILLA MAINGOKA ANDRIAMALALA 2007, 68
PADILLA MANJELATRA ANDRIAMALALA 2007, 68
PADILLA MAZAVALOHA ANDRIAMALALA 2007, 68
PADILLA MIHAINGO ANDRIAMALALA 2007, 68
PADILLA MITOHY ANDRIAMALALA 2007, 68
PADILLA NGEROKA ANDRIAMALALA 2007, 68
PADILLA OMBIMANGA ANDRIAMALALA 2007, 68
PAEDEMBIA AFGHANICA ROSS 2006, 3311
PAEDEMBIA ROSS 2006, 3311
PAEDEMBIIDAE ROSS 2006, 1594, 3311
PAGURISTES BAKERI HOLMES 1900, 1908
PAGURISTES PARVUS HOLMES 1900, 1908
PAGURUS MINIMUS HOLMES 1900, 1908
PALAEMON RITTERI HOLMES 1895, 1906
PALAFOXIA ARENARIA BRANDEGEE 1889, 524
PALARUS ARABICUS PULAWSKI 2008, 3163
PALARUS FURTIVUS PULAWSKI & PRENTICE 2008, 3163
PALARUS GAO PULAWSKI & PRENTICE 2008, 3163
PALARUS GYNAECORTRICHUS PULAWSKI & PRENTICE 2008, 3163
PALARUS JAXARTES PULAWSKI & PRENTICE 2008, 3163
PALARUS NAMA PULAWSKI & PRENTICE 2008, 3163
PALAU ISLANDS, 1657
PALEOBOTANY, 134, 2610, 2611, 3315, 4043
PALEOCHITON SISKIYOUENSIS HOARE 2000, 1898
PALEONTOLOGICAL RESEARCH INSTITUTION, 26
PALEONTOLOGY [SEE ALSO INVERTEBRATE PALEONTOLOGY; MICROPALEONTOLOGY; PALEOBOTANY], 1, 7, 8, 9, 10, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 60, 76, 92, 93, 126, 128, 134, 230, 310, 397, 440,

451, 452, 453, 458, 459, 461, 462, 585, 599, 697, 725, 751, 762, 763, 800, 837, 838, 839, 843, 844, 845, 859, 863, 890, 924, 925, 949, 954, 1055, 1057, 1058, 1059, 1060, 1063, 1061, 1062, 1086, 1087, 1103, 1105, 1310, 1422, 1437, 1438, 1447, 1461, 1481, 1489, 1490, 1491, 1515, 1559, 1560, 1726, 1730, 1732, 1734, 1737, 1743, 1744, 1745, 1748, 1749, 1750, 1753, 1754, 1831, 1860, 1861, 1863, 1867, 1868, 1869, 1871, 1873, 1898, 1946, 2258, 2262, 2285, 2336, 2337, 2345, 2346, 2347, 2590, 2610, 2611, 2635, 2769, 2771, 2772, 2817, 2818, 2819, 2820, 2823, 2834, 2881, 2900, 2901, 2902, 2906, 2921, 2931, 2952, 3010, 3042, 3050, 3123, 3128, 3136, 3225, 3226, 3227, 3251, 3266, 3315, 3318, 3320, 3321, 3445, 3447, 3451, 3461, 3462, 3463, 3464, 3465, 3466, 3482, 3486, 3557, 3594, 3626, 3627, 3639, 3677, 3678, 3680, 3681, 3695, 3696, 3698, 3699, 3736, 3743, 3832, 3839, 3841, 3842, 3843, 3858, 3866, 3867, 3868, 3869, 3881, 3882, 3894, 3896, 3902, 3909, 3913, 3923, 3968, 4001, 4005, 4006, 4018, 4022, 4030, 4035, 4038, 4040, 4042, 4043
PALEOPNEUSTES ELEVATUS ISRAELSKY 1924, 2262
PALEOZOIC, 230, 1898, 3445, 3451, 3839, 3841, 3842, 3843
PALLACOCORIS CANDIDUS VAN DUZEE 1918, 3796
PALLASINA AIX STARKS 1896, 3510
PALMACEAE, 1049
PALPIBRACUS FLAVITHORAX COURI & PENNY 2006, 872
PALPIBRACUS SCHLINGERI COURI & PENNY 2006, 872
PALPIBRACUS VITTATUS COURI & PENNY 2006, 872
PALUDESTRINA CEDROSENSIS PILSBRY 1927, 3120
PALUDESTRINA CURTI ARNOLD 1903, 126
PALUDESTRINA STOKESI ARNOLD 1903, 126
PALUDINELLA NEWCOMBIANA HEMPHILL 1877, 1820
PALUS CORRUGATUS PALMER 1928, 3050
PALYNOLOGY, 965
PAMPUS LIGHTI EVERMANN & SHAW 1927, 1400
PANAMA, 27, 28, 722, 986, 1035, 1049, 1060, 1314, 1317, 1471, 1555, 1855, 2593, 2640, 3432, 3639
PANDELETEINUS ELYTROPLANATUS HOWDEN 1959, 1944
PANDELETEINUS LUCIDILLUS HOWDEN 1959, 1944
PANDELETEINUS MAGDALENENSIS HOWDEN 1959, 1944
PANDELETEIUS ATTENUATUS HOWDEN 1959, 1944
PANDELETEIUS BUCHANANI HOWDEN 1959, 1944
PANDELETEIUS HENRYI HOWDEN 1959, 1944
PANDELETEIUS PLUMOSIVENTRIS HOWDEN 1959, 1944
PANGASIUS HUMERALIS ROBERTS 1989, 3279
PANGASIUS LITHOSTOMA ROBERTS 1989, 3279
PANICUM OHWII BEETLE 1951 [NOM. NOV.], 333
PANICUM THERMALE BOLANDER 1862, 475
PANISCUS MEDIUS ASHMEAD 1894, 129
PANOPAEUS PURPUREUS LOCKINGTON 1877, 2758
PANOPE SIMILARIS DALL & OCHSNER 1928, 954
PANOPLOTHRIPS AUSTRALIENSIS MOULTON 1968, 2963
PANOPLOTHRIPS MOULTON 1968, 2963
PANTOMORIS WILLIAMSI VAN DYKE 1953, 3818
PANTOMORUS BLAIRI VAN DYKE 1953, 3818
PANTOMORUS CAROLI VAN DYKE 1953, 3818
PANTOMORUS CROCKERI VAN DYKE 1953, 3818
PANURGUS HALICTOIDES FOX 1893, 1464
PANURGUS MANIFESTUS FOX 1894, 1465
PAPAVER, 3720
PAPILIO PERGAMUS EDWARDS 1874, 1287
PAPUA NEW GUINEA, 1657
PARABALAENOPTERA BAULINENSIS ZEIGLER & CHAN & BARNES 1997, 4030
PARACETONURUS FLAGELLICAUDA (KOEFOED 1927), 2271
PARACHOLEOTHRIPS MOULTON 1968, 2963
PARACHOLEOTHRIPS VALIDUS MOULTON 1968, 2963
PARACLIUS HEBES VAN DUZEE 1923, 3810
PARACLIUS MARITIMUS VAN DUZEE 1923, 3810
PARACLIUS PROPINQUUS WHEELER 1899, 3889
PARACYATHUS PEDROËNSIS VAUGHAN 1903, 126
PARADORIS LOPEZI HERMOSILLO & VALDÉS 2004, 1853
PARADOXODACNA PIRATICA ROBERTS 1989, 3279
PARAGUAY, 1471, 3089
PARAHIPPELATES VARIABILIS CURRAN 1936, 914
PARAKYSIS ANOMALOPTERYX ROBERTS 1989, 3279
PARALIPARIS DARWINI STEIN & CHERNOVA 2002, 3561
PARALIPARIS GALAPAGOENSIS STEIN & CHERNOVA 2002, 3561
PARALIPARIS MEGALOPUS STEIN 1978, 3560
PARALIPARIS PAUCIDENS STEIN 1978, 3560
PARALIPARIS PECTORALIS STEIN 1978, 3560
PARAMIGAS ANDASIBE RAVEN 2001, 1673
PARAMIGAS GOODMANI GRISWOLD & LEDFORD 2001, 1673
PARAMIGAS MACROPS GRISWOLD & LEDFORD 2001, 1673
PARAMIGAS MANAKAMBUS GRISWOLD & LEDFORD 2001, 1673
PARAMIGAS MILLOTI GRISWOLD & LEDFORD 2001, 1673
PARAMIGAS ORACLE GRISWOLD & LEDFORD 2001, 1673
PARAMIGAS PECTINATUS GRISWOLD & LEDFORD 2001, 1673
PARAMIGAS ROTHORUM GRISWOLD & LEDFORD 2001, 1673
PARAMINABEA ARBOREA WILLIAMS & ALDERSLADE 1999, 3960

PARAMINABEA WILLIAMS & ALDERSLADE 1999, 3960
PARANDRA GALAPAGOENSIS VAN DYKE 1953, 3818
PARANONYCHUS BRIGGS 1971, 590
PARANONYCHUS CONCOLOR BRIGGS 1971, 590
PARAPACHYDISCUS CATARINAE ANDERSON & HANNA 1935, 52
PARAPACHYDISCUS PENINSULARIS ANDERSON & HANNA 1935, 52
PARAPERCIS LATA RANDALL & MCCOSKER 2002, 3180
PARAPHOLYX GESTERI HANNA 1963, 1741
PARAPHOLYX MAILLIARDI HANNA 1924, 1729
PARAPHRYNUS ASTES MULLINEX 1975, 2965
PARAPHRYNUS BAEOPS MULLINEX 1975, 2965
PARAPHRYNUS EMACIATUS MULLINEX 1975, 2965
PARAPHRYNUS LEPTUS MULLINEX 1975, 2965
PARAPHRYNUS POCOCKI MULLINEX 1975, 2965
PARAPHRYNUS VELMAE MULLINEX 1975, 2965
PARAPHRYNUS WILLIAMSI MULLINEX 1975, 2965
PARAPINNIXA AFFINIS HOLMES 1900, 1908
PARAPLOACTIS INTONSA POSS & ESCHMEYER 1978, 3140
PARAPLOACTIS PULVINUS POSS & ESCHMEYER 1978, 3140
PARAPROBA CINCTA VAN DUZEE 1917, 3795
PARAPROBA NIGRINERVIS VAN DUZEE 1917, 3795
PARARHAGADOCHIR MINUTA ROSS 2001, 3308
PARARHAGADOCHIR PALLIDA ROSS 2001, 3308
PARARHAGADOCHIR PICCHUA ROSS 2001, 3308
PARASITES, 937, 938, 1338, 1805, 2592, 2654, 2961, 3118, 3131, 3668, 3982
PARASITES (PLANT), 1801
PARASITOLOGY, 1338, 2652
PARASPHENULA OBSCURA KEVAN 1962, 2608
PARASTENELLA GYMNOGASTER CAIRNS 2007, 670
PARASTENELLA PACIFICA CAIRNS 2007, 670
PARASTER TAMPICOENSIS ISRAELSKY 1924, 2262
PARASYNTORMON ASELLUS WHEELER 1899, 3889
PARASYNTORMON EMARGINATUM WHEELER 1899, 3889
PARASYNTORMON HINNULUS WHEELER 1899, 3889
PARASYNTORMON LAGOTIS WHEELER 1899, 3889
PARASYNTORMON MONTIVAGUM WHEELER 1899, 3889
PARATIPHIA AEQUALIS FOX 1894, 1465
PARAZANOMYS THYASIONNES UBICK 2005, 3724
PARAZANOMYS UBICK 2005, 3724
PARDOSA ATROMEDIA BANKS1904, 260
PARDOSA HERETICA CHAMBERLIN 1925, 718
PARDOSA ORTHODOX CHAMBERLIN 1924, 717
PAREUXESTA ACADEMICA STEYSKAL 1966, 3570
PAREUXSTA XANTHOMERA STEYSKAL 1966, 3570
PAREXOCOETUS PAPILIO CLARK 1936, 755
PARIETARIA, 2106
PARNASSIUS MENETRIESII EDWARDS 1877, 1301
PAROEDOSTETHUS RELICTUS VAN DYKE 1932, 3816
PARONYCHIA MONANDRA BRANDEGEE 1891, 541
PAROTOCINCLUS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
PAROXYNA CROCKERI CURRAN 1934, 913
PARTHENICUS BRUNNEUS VAN DUZEE 1925, 3804
PARTHENICUS CANDIDUS VAN DUZEE 1918, 3796
PARTHENICUS COVILLEAE VAN DUZEE 1918, 3796
PARTHENICUS DISCALIS VAN DUZEE 1925, 3804
PARTHENICUS GIFFARDI VAN DUZEE 1917, 3795
PARTHENICUS GREX VAN DUZEE 1925, 3804
PARTHENICUS MUNDUS VAN DUZEE 1923, 3802
PARTHENICUS PALLIDICOLLIS VAN DUZEE 1925, 3804
PARTHENICUS PERCROCEUS VAN DUZEE 1923, 3802
PARTHENICUS RUBER VAN DUZEE 1917, 3795
PARTHENICUS SABULOSUS VAN DUZEE 1925, 3804
PARTHENIUM (BOLOPHYTUM) TETRANEURIS BARNEBY 1947, 284
PARTHENOPSIS KELLOGG 1873, 2572
PARTHENOPSIS MARITIMUS KELLOGG 1873, 2572
PARUROCTONUS ARNAUDI WILLIAMS 1972, 3979
PARUROCTONUS BAJAE WILLIAMS 1972, 3979
PARUROCTONUS SURENSIS WILLIAMS HARADON 1980, 3981
PARUROCTUNUS BORREGOENSIS WILLIAMS 1972, 3979
PARUROCTUNUS VENTOSUS WILLIAMS 1972, 3979
PARYDRA METALLICA COLE 1921, 1759
PASPALUM GALAPAGEIUM CHASE 1935, 1884
PASPALUM GALAPAGEIUM VAR. MINORATUM CHASE 1935, 1884
PASPALUM LONGUM CHASE 1931, 2314
PASPALUM REDUNDANS CHASE 1935, 1884
PAUSSUS ARANEANS LUNA DE CARVALHO 1968, 705
PAUSSUS LEECHI LUNA DE CARVALHO 1968, 705
PAVONIA, 2384
PAVONIA PURPUSII BRANDEGEE 1908, 577
PCTEN ATLANTICOLA ANDERSON 1929, 50
PECTEN ABIETIS JORDAN & HERTLEIN 1926, 2346
PECTEN ALETES HERTLEIN 1925, 1860
PECTEN AMANDI HERTLEIN 1935, 1862
PECTEN ARNOLD 1903, 126
PECTEN BAKERI HANNA & HERTLEIN 1927, 1750
PECTEN BEALI HERTLEIN 1925, 1860
PECTEN BOSEI HANNA & HERTLEIN 1927, 1750
PECTEN CALLIDUS HERTLEIN 1925, 1860
PECTEN CALLI HERTLEIN 1925, 1860
PECTEN COWPERI WARING 1917, 3858
PECTEN DALLASI JORDAN & HERTLEIN 1926, 2346
PECTEN DIMINUTIVUS HERTLEIN & JORDAN 1927, 1873
PECTENDORIS AURORA JOHNSON & GOSLINER

1998, 2312
PECTEN ERICELLUS HERTLEIN 1929, 1861
PECTEN ETCHEGOINI ANDERSON 1905, 45
PECTEN EVERMANNI JORDAN & HERTLEIN 1926, 2347
PECTEN GALLEGOSI JORDAN & HERTLEIN 1926, 2347
PECTEN HAKEI HERTLEIN 1925, 1860
PECTEN HARTMANNI HERTLEIN 1925, 1860
PECTEN HEIMI HERTLEIN 1925, 1860
PECTEN INSULUS DALL & OCHSNER 1928, 954
PECTEN JORDANI ARNOLD 1903, 126
PECTEN LOWEI HERTLEIN 1935, 1862
PECTEN MACLOSKEYI ANDERSON 1929, 50
PECTEN MEDIACOSTATUS HANNA 1926, 1732
PECTEN MODULATUS HERTLEIN 1925, 1860
PECTEN NEWSOMI ARNOLD 1903, 126
PECTENOCYPRIS BALAENA ROBERTS 1989, 3279
PECTENODORIS, 2312
PECTEN PERCARUS HERTLEIN 1925, 1860
PECTEN PERNOMUS HERTLEIN 1935, 1862
PECTEN PRAEVALIDUS JORDAN & HERTLEIN 1926, 2347
PECTEN PRETIOSUS HERTLEIN 1925, 1860
PECTEN REFUGIOENSIS HERTLEIN 1925, 1860
PECTEN SANCTI-LUDOVICI ANDERSON & MARTIN 1914, 53
PECTEN SEYMOURENSIS DALL & OCHSNER 1928, 954
PECTEN SLEVINI DALL & OCHSNER 1928, 954
PECTEN SUBDOLUS HERTLEIN 1925, 1860
PECTEN VELERO HERTLEIN 1935, 1862
PECTEN ZACAE HERTLEIN 1935, 1862
PECTEN ZETEKI HERTLEIN 1935, 1862
PECTIC SALINA BRANDEGEE 1905, 573
PECTINIUNGUIS AMPHIBIUS CHAMBERLIN 1923, 716
PECTINIUNGUIS NESIOTES CHAMBERLIN 1923, 716
PECTIS GLABRA HOWELL 1935, 1981
PECTIS PURPUREA BRANDEGEE 1905, 573
PECTIS REPENS BRANDEGEE 1908, 576
PECTIS SCABRA BRANDEGEE 1905, 573
PECTUNCULUS PACIFICUS ANDERSON 1902, 44
PEDICULARIA CALIFORNICA NEWCOMB 1864, 3003
PEDILANTHUS RUBESCENS BRANDEGEE 1905, 573
PEDIPES UNISULCATA COOPER 1867, 827
PEDONOECES APICALIS VAN DYKE 1953, 3818
PEDONOECES BARRINGTONI VAN DYKE 1953, 3818
PEDONOECES BLAIRI VAN DYKE 1953, 3818
PEDONOECES CAUDATUS VAN DYKE 1953, 3818
PEDONOECES CULPEPPERI VAN DYKE 1953, 3818
PEDONOECES DUNCANI VAN DYKE 1953, 3818
PEDONOECES OPACUS VAN DYKE 1953, 3818
PEDONOECES SPATULATUS VAN DYKE 1953, 3818
PEDONOECES UNIFORMIS VAN DYKE 1953, 3818
PEDONOECES WENMANI VAN DYKE 1953, 3818
PEDONOECES WILLIAMSI VAN DYKE 1953, 3818
PEDUNCULATA, 938
PEGOMYA AFFINIS FUSCOPUNCTATA HUCKETT 1966, 2248
PEGOMYA ARENOSA HUCKETT 1966, 2248
PEGOMYA BICOLOR DEFECTA HUCKETT 1966, 2248
PEGOMYA CANYONENSIS HUCKETT 1966, 2248
PEGOMYA DIFFINIS HUCKETT 1966, 2248
PEGOMYA DISSIDENS HUCKETT 1966, 2248
PEGOMYA HIRTICAUDA HUCKETT 1966, 2248
PEGOMYA MELANDERI HUCKETT 1966, 2248
PEGOMYA NIGRIFEMORALIS HUCKETT 1966, 2248
PEGOMYA ORBATA HUCKETT 1966, 2248
PEGOMYA POLYGONORUM HUCKETT 1966, 2248
PEGOMYA SETIVENTRIS FLAVIVARIA HUCKETT 1966, 2248
PEGOMYA SILVICOLA HUCKETT 1966, 2248
PEGOMYA SOMBRINA HUCKETT 1966, 2248
PEGOMYA UMBRIPENNIS HUCKETT 1966, 2248
PEGOMYA VALIDA HUCKETT 1966, 2248
PEGOMYIA VANDUZEEI MALLOCH 1919, 2814
PEIRSONIA ALVEOLATA HARKNESS 1899, 1789
PEIRSONIA SCABROSA HARKNESS 1899, 1789
PEISIDICE ASPERA JOHNSON 1897, 2307
PEISIDICE JOHNSON 1897, 2307
PELASTONEURUS CYANEUS WHEELER 1899, 3889
PELASTONEURUS DISSIMILIPES WHEELER 1899, 3889
PELASTONEURUS FLORIDANUS WHEELER 1899, 3889
PELASTONEURUS NEGLECTUS WHEELER 1899, 3889
PELASTONEURUS OCCIDENTALIS WHEELER 1899, 3889
PELASTONEURUS PICTIPENNIS WHEELER 1899, 3889
PELECOMALIUM BINOTATUM CASEY 1886, 710
PELECOMALIUM MODESTUM CASEY 1886, 710
PELECORHYNCHIDAE, 99
PELIALA FULIGINEA HAYES 1975, 1804
PELLAEA ATROPURPUREA VAR. SIMPLEX (BUTTERS) MORTON 1951 [COMB. NOV.], 2955
PELLENES CONTINGENS CHAMBERLIN 1925, 718
PELLENES GRAMMATICUS CHAMBERLIN 1925, 718
PELLENES LEUCERES CHAMBERLIN 1925, 718
PELLENES NEOMEXICANUS CHAMBERLIN 1925, 718
PELLENES PACIFICA BANKS 1904, 260
PELLENES SPECIOSA BANKS 1904, 260
PELOREMBIA TUMIDICEPS ROSS 1984, 3304
PELTINIA LONGIOCULIS LOCKINGTON 1877, 2755
PEMBATATU EMBAMBA GRISWOLD 2001, 1671
PEMBATATU GONGO GRISWOLD 2001, 1671
PEMBATATU GRISWOLD 2001, 1671
PEMBATATU MAFUTA GRISWOLD 2001, 1671
PENAEUS CALIFORNIENSIS HOLMES 1900, 1908

PENETRANTIA OPERCULATA SOULE & SOULE 1969, 3487
PENNATULA TENUA GABB 1862, 1486
PENNSYLVANIA, 711
PENSTEMON (see also PENTSTEMON)
PENSTEMON BRACTEATUS KECK 1934, 2390
PENSTEMON DAVIDSONII VAR. PRAETERITUS CRONQUIST 1964, 907
PENSTEMON DECURVUS CROSSWHITE 1965, 908
PENSTEMON FRANCISCI-PENNELLII CROSSWHITE 1965, 908
PENSTEMON MAGUIREI CROSSWHITE 1965, 908
PENSTEMON NYEENIS CROSSWHITE 1965, 908
PENSTEMON PAPILLATUS HOWELL 1938, 2006
PENSTEMON PAYSONIORUM KECK 1947, 2393
PENSTEMON UTAHENSIS EASTWOOD 1893, 1117
PENTACHAETA BELLIDIFLORA GREENE 1885, 1634
PENTACHAETA PALEACEA GREENE 1885, 1636
PENTSTEMON (see also PENSTEMON)
PENTSTEMON ACUMINATUS VAR. CONGESTUS JONES 1895, 2327
PENTSTEMON CALCAREUS BRANDEGEE 1901, 566
PENTSTEMON CANOSOBARTATUM KELLOGG 1859, 2465
PENTSTEMON CARINATUS KELLOGG 1855, 2442, 2553
PENTSTEMON CERROSENSIS KELLOGG 1859, 2466
PENTSTEMON CONFERTUS VAR. ABERRANS JONES 1895, 2327
PENTSTEMON CONFUSUS JONES 1893, 2323
PENTSTEMON EATONI VAR. UNDOSUS JONES 1895, 2327
PENTSTEMON KINGII VAR GLAUCA KELLOGG 1873, 2568
PENTSTEMON ROSTRIFLORUM KELLOGG 1859, 2465
PENTSTEMON STEPHENSI BRANDEGEE 1901, 566
PENTSTEMON TENELLUS KELLOGG 1855, 2431, 2542
PEPEROMIA CHRYSOLEPIDA TRELEASE 1931, 2314
PEPEROMIA SOCORRONIS TRELEASE 1931, 2314
PEPLIS, 2060
PEPRILUS SNYDERI GILBERT & STARKS 1904, 1555
PERCIFORMES:ACANTHURIDAE, 3177
PERCIFORMES:LABRISOMIDAE, 2878
PERCIFORMES: NANDIDAE, 1470
PERCIFORMES:PINGUIPEDIDAE, 3180
PERCIFORMES:POMACENTRIDAE, 3179
PERDITA APICALIS TIMBERLAKE 1977, 3658
PERDITA ARCUATA FOX 1893, 1464
PERDITA BIFASCIATA TIMBERLAKE 1977, 3658
PERDITA CINCTIVENTRIS TIMBERLAKE 1977, 3658
PERDITA CLARIFACIES COCKERELL 1923, 774
PERDITA CLEOMELLAE COCKERELL 1925, 776
PERDITA DIMINUTIVA TIMBERLAKE 1977, 3658
PERDITA ERUDITA COCKERELL 1923, 774
PERDITA ESMERALDENSIS TIMBERLAKE 1977, 3658
PERDITA EXCLAMANS ATRAMENTATA COCKERELL 1923, 774
PERDITA GRACILIOR TIMBERLAKE 1977, 3658
PERDITA INFUSCATA TIMBERLAKE 1977, 3658
PERDITA INYOENSIS TIMBERLAKE 1977, 3658
PERDITA MEDIALIS TIMBERLAKE 1977, 3658
PERDITA PACHYGNATHA TIMBERLAKE 1977, 3658
PERDITA PAULIANA TIMBERLAKE 1977, 3658
PERDITA PERLUCENS TIMBERLAKE 1977, 3658
PERDITA PUSILLISSIMA TIMBERLAKE 1977, 3658
PERDITA PYRIFERA COCKERELL 1925, 776
PERDITA SPARSA FOX 1893, 1464
PERDITA TIMBERLAKEI COCKERELL 1925, 776
PERDITA VANDUZEEI COCKERELL 1923, 774
PERDITA VENTRALIS FOX 1893, 1464
PERDITA VITTATA COCKERELL 1923, 774
PERDITA WILCOXIANA TIMBERLAKE 1977, 3658
PERDITA ZAVORTINKA TIMBERLAKE 1977, 3658
PEREZIA PINETORUM BRANDEGEE 1901, 565
PEREZIA TOMENTOSA BRANDEGEE 1908, 577
PERICURIS CHAMBERLIN 1924, 717
PERICURIS INSULARIS CHAMBERLIN 1924, 717
PERIDERMIUM GRACILE HARKNESS 1884, 1773
PERIDERMIUM HARKNESSII HARKNESS 1884, 1773
PERIDTA EXCLAMANS IMPERIALIS COCKERELL 1925, 776
PERIGRACILIA LINSLEY 1942, 2736
PERIGRACILIA TENUIS LINSLEY 1942, 2736
PERIPLOMA CARIBANA ANDERSON 1929, 50
PERITAPNIA FABRA HORN 1894, 1935
PERITAPNIA HORN 1894, 1935
PERITYLE CRASSIFOLIA BRANDEGEE 1891, 541
PERITYLE CUNEATA BRANDEGEE 1890, 528
PERITYLE GRANDIFOLIA BRANDEGEE 1905, 573
PERITYLE ROTUNDIFOLIA BRANDEGEE 1893, 559
PERITYLE SAXOSA BRANDEGEE 1905, 573
PERMIAN, 1070
PERO, 4013
PEROGNATHUS ARENARIUS MERRIAM 1894, 2899
PEROGNATHUS BRYANTI MERRIAM 1894, 2899
PEROGNATHUS MARGARITAE MERRIAM 1894, 2899
PEROGNATHUS SPINATUS PENINSULAE MERRIAM 1894, 2899
PEROMYSCUS SLEVINI MAILLIARD 1924, 2809
PEROPHORA ANNECTENS RITTER 1893, 3253
PERRYA INNOCENS HANNA 1932, 1737
PERU, 1375, 1471, 1753, 2334, 3088, 3116, 3173, 3309, 3874, 3912
PERULIBATRACHUS AQUILONARIUS GREENFIELD 2005, 1645
PERYMENIUMANGUSTIFOLIUM BRANDEGEE 1908, 577
PERYMENIUM GLANDULOSUM BRANDEGEE 1908, 577
PERYMENIUM OVATUM BRANDEGEE 1908, 577

PESTALOZZIA ANOMALA HARKNESS 1884, 1773
PESTALOZZIA GIBBOSA HARKNESS 1887, 1777
PESTALOZZIA MOOREI HARKNESS 1884, 1773
PESTOLOZZIA CORYNOIDEA HARKNESS 1884, 1773
PESTS (INSECT), 2596, 3085
PETALIUM BRUNNEUM HORN 1896, 1937
PETALONYX GILMANII MUNZ 1938, 2968
PETALONYX LINEARIS GREENE 1885, 1636
PETASITES FRIGIDUS VAR. NIVALIS (GREENE) CRONQUIST 1953 [COMB. NOV.], 903
PETELODORIS SPONGICOLA MACFARLAND 1966, 2789
PETROLEUM, 454, 1740
PETROMYZON CILIATUS AYRES 1855, 154, 201
PETROMYZON PLUMBEUS AYRES 1855, 148, 195
PETROSCIRTES AURATUS SEALE 1936, 3381
PETROSTICHUS LATTINI LABONTE 2006, 2645
PEUCEDANUM INSULARE EASTWOOD 1898, 1125
PEUCEDANUM JAREDI EASTWOOD 1900, 1134
PEUCEDANUM LAPIDOSUM JONES 1891, 2320
PHACELIA, 2040, 2044, 2062, 2071, 2143
PHACELIA ADENOPHORA HOWELL 1944 [NOM. NOV.], 2062
PHACELIA AUSTROMONTANA HOWELL 1942, 2051
PHACELIA BARNEBYANA HOWELL 1942, 2051
PHACELIA BRANNANI KELLOGG 1877, 2580
PHACELIA CICUTARIA VAR. EXIMIA (EASTW.) HOWELL 1942 [COMB. NOV.], 2038
PHACELIA CICUTARIA VAR. HETEROSEPALA (GRENE) HOWELL 1942 [COMB. NOV.], 2038
PHACELIA CICUTARIA VAR. HISPIDA (GRAY) HOWELL 1942 [COMB. NOV.], 2038
PHACELIA CICUTARIA VAR. HUBBYI (MACBR.) HOWELL 1942 [COMB. NOV.], 2038
PHACELIA CILIATA VAR. OPACA HOWELL 1936, 1984
PHACELIA CIRCINATA PARISH 1900, 3074
PHACELIA DALESIANA HOWELL 1937, 1994
PHACELIA EISENII BRANDEGEE 1891, 551
PHACELIA (EUPHACELIA) SCARIOSA BRANDEGEE 1889, 524
PHACELIA FLORIBUNDA GREENE 1885, 1636
PHACELIA GLABERRIMA (TORR.) HOWELL 1944 [COMB. NOV.], 2062
PHACELIA GRLANDULOSA KELLOGG 1877, 2580
PHACELIA INUNDATA HOWELL 1944 [NOM. NOV.], 2062
PHACELIA INYOENSIS (MACBR.) HOWELL 1944 [COMB. NOV.], 2062
PHACELIA IXODES KELLOGG 1884, 2586
PHACELIA LAXIFLORA HOWELL 1941, 2035
PHACELIA LEONIS HOWELL 1943, 2053
PHACELIA LUTEA (H&A) HOWELL 1944 [COMB. NOV.], 2062
PHACELIA NEMORALIS SUBSP. OREGONENSIS HECKARD 1956, 1809
PHACELIA NEVADENSIS HOWELL 1942 [NOM. NOV.], 2038
PHACELIA NUDICAULIS EASTWOOD 1893, 1117
PHACELIA PECKII HOWELL 1944, 2064
PHACELIA PEIRSONIANA HOWELL 1942, 2038
PHACELIA PINETORUM JONES 1893, 2323
PHACELIA PULCHELLA VAR. GOODDINGII (BRAND) HOWELL 1942 [COMB. NOV.], 2038
PHACELIA QUICKII HOWELL 1942, 2041
PHACELIA SALINA (A.NELS.) HOWELL 1944 [COMB. NOV.], 2062
PHACELIA SCOPULINA (A.NELS.) HOWELL 1944 [COMB. NOV.], 2062
PHACELIA SPLENDENS EASTWOOD 1893, 1115
PHACELIA STIMULANS EASTWOOD 1902, 1141
PHACELIA SUBMUTICA HOWELL 1944, 2070
PHACELIA TETRAMERA HOWELL 1944 [NOM. NOV.], 2062
PHAENICIA SETOSA JAMES 1966, 2292
PHAENOCARPA MEXICANA ASHMEAD 1895, 130
PHAEOSTOMA ATROPURPUREM HELLER 1940, 1816
PHAEOSTOMA MILDREDAE HELLER 1940, 1816
PHAEOSTOMA MODESTUM (JEP.) HELLER 1940 [COMB. NOV.], 1816
PHALACRODISCUS WHITNEYI CURRAN 1936, 914
PHALANGODIDAE:OPILIONES, 589, 591
PHALERIA LATUS BLAISDELL 1923, 405
PHALLOSEMBIA ANDINA ROSS 2003, 3310
PHALLOSEMBIA ROSS 2003, 3310
PHAONIA ANTENNALIS HUCKETT 1966, 2248
PHAONIA CORIATLANIS HUCKETT 1966, 2248
PHAONIA NEGLECTA HUCKETT 1966, 2248
PHAONIA PLURIVITTATA COURI & PONT & PENNY 2006
, 875
PHAONIA RECLUSA HUCKETT 1966, 2248
PHAONIA REFLECTA HUCKETT 1966, 2248
PHAONIA REVERSA HUCKETT 1966, 2248
PHAONIA SOBRIANA HUCKETT 1966, 2248
PHAONIA UNIVITTATA COURI & PONT & PENNY 2006, 875
PHASEOLUS MONTANUS BRANDEGEE 1891, 541
PHASEOLUS RUBESCNES BRANDEGEE 1901, 568
PHASEOLUS STRIATUS BRANDEGEE 1908, 577
PHASIANELLA MAZATLANTICA STRONG 1928, 3595
PHASIANELLA RUBRILINEATA STRONG 1928, 3595
PHASIANE S-SIGNATA BALLANDRATA WRIGHT 1923, 4014
PHEDIUS OPACULUS HORN 1894, 1935
PHEIDOLE CARBONARIA PERGANDE 1895, 3114
PHEIDOLE (CERATOPHEIDOLE) GRANULATA PERGANDE 1895, 3114
PHEIDOLE FLORIDANA VAR. DEPLANATA PERGANDE 1895, 3114
PHEIDOLE OBTUSOSPINOSA PERGANDE 1895, 3114
PHEIDOLE RUGIFRONS PERGANDE 1895, 3114

PHEIDOLE SUBDENTATA PERGANDE 1895, 3114
PHEIDOLE SUSANNAE LONGIPES RACE PERGANDE 1895, 3114
PHEIDOLE TEPICANA PERGANDE 1895, 3114
PHEIDOLE VASLITII PERGANDE 1895, 3114
PHEIDOLE WILLIAMSI WHEELER 1919, 3890
PHENACOSTETHUS TREWAVASAE PARENTI 1986, 3056
PHEROCERA NIGRIPES COLE 1923, 786
PHIDANIA IODINEA (COOPER 1862), 821
PHIDIANA NIGRA MACFARLAND 1966, 2789
PHIDIPPUS MOLINOR CHAMBERLIN 1925, 718
PHIDIPPUS POGONOPUS CHAMBERLIN 1925, 718
PHILATIS ATHAMAS FENNAH 1967, 1424
PHILATIS ATRAX FENNAH 1967, 1424
PHILATIS AUSON FENNAH 1967, 1424
PHILATIS DAUNUS FENNAH 1967, 1424
PHILATIS DELIA FENNAH 1967, 1424
PHILATIS DEUCALION FENNAH 1967, 1424
PHILATIS LATOBIUS FENNAH 1967, 1424
PHILATIS LENTO FENNAH 1967, 1424
PHILATIS LYCAMBES FENNAH 1967, 1424
PHILATIS MONAESES FENNAH 1967, 1424
PHILATIS OPHELTES FENNAH 1967, 1424
PHILAUTUS POECILUS BROWN & ALCALA 1994, 613
PHILAUTUS SURRUFUS BROWN & ALCALA 1994, 613
PHILBERTIA STONEI HERTLEIN & STRONG 1939, 1863
PHILHYDRUS CONJUNCTUS HALL 1901, 1718
PHILIP (CORNELIUS BECKER), 99, 121, 2652
PHILIPPINES, 15, 609, 610, 611, 612, 613, 614, 615, 616, 620, 1068, 2690, 2691, 2709, 3136, 3793, 3962
PHILODROMUS MOESTUS BANKS 1904, 260
PHILODROMUS SYNTHETICUS CHAMBERLIN 1925, 718
PHILOSCIA TUBERCULATA STIMPSON 1856, 3572, 3573
PHILOSOPHY, 1052, 1457, 1525, 1536, 1565
PHILYGRIA GALAPAGENSIS WIRTH 1969, 3992
PHLEPSIUS ARGILLACEUS VAN DUZEE 1923, 3802
PHLEPSIUS DOCILIS VAN DUZEE 1923, 3802
PHLOEOPTERUS FILICORNIS CASEY 1886, 710
PHLOEOPTERUS LONGIPALPUS CASEY 1885, 708
PHLOX ALBOMARGINATA JONES 1894, 2324
PHLOX CAESIA EASTWOOD 1937, 1203
PHLOX CYANEA EASTWOOD 1939, 1215
PHLOX LONGIFOLIA VAR. GLADIFORMIS JONES 1895, 2327
PHOCAVIS GOEDERT 1988, 1566
PHOCAVIS MARITIMUS 1988, 1566
PHOENICODRILUS EISEN 1895, 1337
PHOENICODRILUS TASTE EISEN 1895, 1337
PHOENICODRILUS TEPICENSIS EISEN 1896, 1340
PHOLADOMYA ANAANA ANDERSON 1902, 44
PHOLADOMYA DARWINI DALL & OCHSNER 1928, 954
PHOLADOMYA ORBICULARIS GABB 1864, 1490
PHOLADOMYA (TRIPLICOSTA) PROGRESSIVA COOPER 1896, 863
PHOLAS PACIFICA STEARNS 1873, 3539
PHOLISMA DEPRESSUM GREENE 1885, 1636
PHOMATOSPORA DATISCAE HARKNESS 1884, 1773
PHORIDAE, 3814
PHORMIDIUM MONILE SETCHELL & GARDNER 1930, 3388
PHOS BARANOANUS ANDERSON 1929, 50
PHOS BLAKEANUS ANDERSON & HANNA 1925, 51
PHOS TUBERAENSIS ANDERSON 1929, 50
PHOS TURBACOENSIS ANDERSON 1929, 50
PHOTINUS ACUMINATUS GREEN 1956, 1630
PHOTINUS AUSTRALIS GREEN 1956, 1630
PHOTINUS BRIMLEYI GREEN 1956, 1630
PHOTINUS CAROLINUS GREEN 1956, 1630
PHOTINUS CONSIMILIS GREEN 1956, 1630
PHOTINUS COOKII GREEN 1956, 1630
PHOTINUS CURTATUS GREEN 1956, 1630
PHOTINUS FROSTI GREEN 1956, 1630
PHOTINUS IMMACULATUS GREEN 1956, 1630
PHOTINUS KNULLI GREEN 1956, 1630
PHOTINUS SABULOSUS GREEN 1956, 1630
PHOTINUS TENUICINCTUS GREEN 1956, 1630
PHOTINUS TEXANUS GREEN 1956, 1630
PHOTOPSIS BLAKEII FOX 1893, 1464
PHOTOPSIS NIGRIVENTRIS FOX 1893, 1464
PHOXINUS (TIGOMA) ORCUTTII C.H.EIGENMANN & R.S.EIGENMANN 1890, 1320
PHOXUS GRANDIS STIMPSON 1856, 3572, 3573
PHRONIA BASALIS VAN DUZEE 1928, 3813
PHRONIA FLABELLATA VAN DUZEE 1928, 3813
PHRONIA FUSCIVENTRIS VAN DUZEE 1928, 3813
PHRYNOBATRACHUS IRANGI DREWES & PERRET 2000, 1081
PHRYNOBATRACHUS LEVELEVE UYEDA & DREWES & ZIMKUS 2007, 3735
PHRYNOCEPHALUS CLARKORUM ANDERSON & LEVITON 1967, 66
PHRYNOCEPHALUS MACULATUS LONGICAUDATUS HAAS 1957, 1713
PHRYNOCEPHALUS NEJDENSIS HAAS 1957, 1713
PHRYNOCEPHALUS NEJDENSIS MACROPELTIS HAAS 1957, 1713
PHRYNOSOMA FRONTALIS VAN DENBURGH 1894, 3744
PHTHIRACARUS CRYPTOPUS BANKS 1904, 260
PHTYOCORIS VENTRALIS VAN DUZEE 1918, 3796
PHYCODRYS ELEGANS SETCHELL & GARDNER 1937, 3389
PHYLLACHORA ACALYPHAE BONAR 1939, 486
PHYLLACHORA ? POLEMONII HARKNESS 1887, 1777

PHYLLANTHUS EVANESCENS BRANDEGEE 1905, 573
PHYLLANTHUS (GOMPHIDIUM) BRANDEGEI MILLSPAUGH 1889, 2932
PHYLLANTHUS (MENARDA) CILIATO-GLANDULOSUS MILLSPAUGH 1889, 2932
PHYLLAPLYSIA ZOSTERICOLA MCCAULEY 1960, 2846
PHYLLECTHRUS SCHWARZI HORN 1896, 1937
PHYLLIS WATTIS, 2279
PHYLLOBAENUS MERKELI HORN 1896, 1937
PHYLLOBAENUS OMOGEROIDES BARR 1950, 309
PHYLLOBROTICA SORORIA HORN 1896, 1937
PHYLLOCERAS SHASTALENSE ANDERSON 1902, 44
PHYLLODACTYLUS ANGELENSIS DIXON 1966, 1072
PHYLLODACTYLUS APRICUS DIXON 1966, 1072
PHYLLODACTYLUS BARRINGTONENSIS VAN DENBURGH 1912, 3764
PHYLLODACTYLUS BUGASTROLEPIS DIXON 1966, 1072
PHYLLODACTYLUS PARTITUS DIXON 1966, 1072
PHYLLODACTYLUS SANTACRUZENSIS DIXON 1966, 1072
PHYLLODACTYLUS TINKLEI DIXON 1966, 1072
PHYLLODACTYLUS XANTI ACORIUS DIXON 1966, 1072
PHYLLODACTYLUS XANTI ANGULUS DIXON 1966, 1072
PHYLLODACTYLUS XANTI CIRCUS DIXON 1966, 1072
PHYLLODACTYLUS XANTI CORONATUS DIXON 1966, 1072
PHYLLODACTYLUS XANTI ESTEBANENSIS DIXON 1966, 1072
PHYLLODESMIUM PARANGATUM ORTEZ & GOSLINER 2003, 3043
PHYLLOGASTER LONGISPINA MALLOCH 1923, 2815
PHYLLOPHAGA CANIPOLEA SAYLOR 1948, 3360
PHYLLOPHAGA SAYLORI SANDERSON 1965, 3353
PHYLLOXERA, 438, 441
PHYLOGENETIC ANALYSIS, 1414, 1415, 1503, 1659
PHYLOGENETIC RELATIONSHIPS, 316, 318, 722, 1411, 3059, 3372
PHYLOGENETICS, 1068, 1074, 1412, 1494, 1603, 1614, 1616, 1674, 1675, 1716, 1813, 2609, 2724, 2823, 3055, 3057, 3879, 3942, 3948
PHYLOGENY, 3461
PHYLOGEOGRAPHY, 3879, 3999
PHYLOXERA, 363
PHYMOSIA ROSEA (DC) KEARNEY 1949 [COMB. NOV.], 2368
PHYMOSIA UMBELLATA (CAV.) KEARNEY 1949 [COMB. NOV.], 2368
PHYSA COSTATA NEWCOMB 1861, 3001
PHYSALIS MURICULATA GREENE 1885, 1636
PHYSALOSPORA BINA HARKNESS 1884, 1773
PHYSATOCHEILA ORNATA VAN DUZEE 1917, 3795
PHYSCIA HOWELLII LINDER 1934, 2726
PHYSICAL SCIENCE, 39, 415, 416, 417, 427, 448, 466, 586, 659, 665, 690, 736, 801, 836, 889, 934, 956, 992, 993, 994, 995, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1028, 1030, 1101, 1339, 1538, 1541, 1561, 1695, 1704, 1710, 1709, 1793, 1832, 2655, 2657, 2781, 2783, 3164, 3182, 3525, 3679, 3682, 3686, 3687, 3697, 3700, 3704, 3828, 3904, 3905, 3906, 3987, 3988, 4016
PHYSICS, 2783
PHYSIOLOGY, 133, 436, 1342
PHYSOCARPUS ALTERNANS ANNULATUS HOWELL 1931, 1948
PHYSOCARPUS ALTERNANS PANAMINTENSIS HOWELL 1931, 1948
PHYSOCEPHALA AURIFACIES VAN DUZEE 1927, 3812
PHYSOCEPHALA BREVIROSTRIS VAN DUZEE 1927, 3812
PHYSOCEPHALA BUCCALIS VAN DUZEE 1927, 3812
PHYSOCEPHALA HUMERALIS SIMULANS VAN DUZEE 1927, 3812
PHYSOCEPHALA HUMERALIS VAN DUZEE 1927, 3812
PHYSOCYCLUS CORNUTUS BANKS 1898, 259
PHYSOCYCLUS MEXICANUS BANKS 1898, 259
PHYSOCYCLUS MYSTICUS CHAMBERLIN 1924, 717
PHYSORHINUS BATESONI VAN DYKE 1953, 3818
PHYSORHINUS BLAIRI VAN DYKE 1953, 3818
PHYSORHINUS CHATHAMI VAN DYKE 1953, 3818
PHYSORHINUS DICROA VAN DYKE 1953, 3818
PHYSORHINUS HOODI VAN DYKE 1953, 3818
PHYSORHINUS RUFICEPS VAN DYKE 1953, 3818
PHYSOSTOMUM AUSTRALE KELLOGG 1896, 2592
PHYSOSTOMUM DIFFUSUM KELLOGG 1896, 2592
PHYSOSTOMUM INVADENS KELLOGG 1899, 2593
PHYSOSTOMUM MICROCEPHALUM KELLOGG 1896, 2592
PHYSOSTOMUM PALLENS KELLOGG 1899, 2593
PHYSOSTOMUM PROMINENS KELLOGG & CHAPMAN 1899, 2595
PHYSOSTONUM SUCINACEUM KELLOGG 1896, 2592
PHYSPSTONUM ANGULATUM KELLOGG 1896, 2592
PHYTOCORIS AURORA VAN DUZEE 1920, 3797
PHYTOCORIS BARBATUS VAN DUZEE 1920, 3797
PHYTOCORIS CALVUS VAN DUZEE 1920, 3797
PHYTOCORIS CANADENSIS VAN DUZEE 1920, 3797
PHYTOCORIS CARNOSULUS VAN DUZEE 1920, 3797
PHYTOCORIS COMMISSURALIS VAN DUZEE 1920, 3797
PHYTOCORIS CONSORS VAN DUZEE 1918, 3796
PHYTOCORIS ERECTUS VAN DUZEE 1920, 3797
PHYTOCORIS FRATERCULUS VAN DUZEE 1918,

3796
PHYTOCORIS GENICULATUS VAN DUZEE 1918, 3796
PHYTOCORIS HIRTUS VAN DUZEE 1918, 3796
PHYTOCORIS HISTRICULUS VAN DUZEE 1920, 3797
PHYTOCORIS INGENS VAN DUZEE 1920, 3797
PHYTOCORIS LENIS VAN DUZEE 1923, 3802
PHYTOCORIS LORTOENSIS VAN DUZEE 1923, 3802
PHYTOCORIS MARITIMUS VAN DUZEE 1920, 3797
PHYTOCORIS NIGRIFRONS VAN DUZEE 1920, 3797
PHYTOCORIS ONUSTUS VAN DUZEE 1920, 3797
PHYTOCORIS PLENUS VAN DUZEE 1918, 3796
PHYTOCORIS PULCHRICOLLIS VAN DUZEE 1923, 3802
PHYTOCORIS RAMOSUS UHLER 1894, 3728
PHYTOCORIS RUSTICUS VAN DUZEE 1920, 3797
PHYTOCORIS SAGAX VAN DUZEE 1920, 3797
PHYTOCORIS SONORENSIS VAN DUZEE 1920, 3797
PHYTOCORIS STELLATUS VAN DUZEE 1920, 3797
PHYTOCORIS TENUIS VAN DUZEE 1920, 3797
PHYTOCORIS VINACEUS VAN DUZEE 1917, 3795
PHYTOGEOGRAPHY, 683, 969, 2168, 2169
PHYTOSUS BICOLOR CASEY 1885, 708
PHYTOSUS MARITIMUS CASEY 1885, 708
PIERSONIA HARKNESS 1899, 1789
PILOPHORUS CRASSIPES VAN DUZEE 1918, 3796
PILOPHORUS DISCRETUS VAN DUZEE 1918, 3796
PILOPHORUS LAETUS VAN DUZEE 1918, 3796
PILOPHORUS TIBIALIS VAN DUZEE 1918, 3796
PILOPHORUS TOMENTOSUS VAN DUZEE 1918, 3796
PIMELODELLA C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
PIMELODELLA PECTINIFER C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
PIMELODINA NASUS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
PINAROPAPPUS SPATHULATUS BRANDEGEE 1908, 575
PINGUICULA SCOPULORUM BRANDEGEE 1908, 577
PINI (ERMENEGILDO), 3838
PINNA LATRANIA HANNA 1926, 1732
PINNA MENDENHALLI HANNA 1926, 1732
PINNIPEDIA, 2590, 2666
PINNIXA LITTORALIS HOLMES 1895, 1906
PINNIXA TOMENTOSA HOLMES 1895, 1906
PINNIXA TUBICOLA HOLMES 1895, 1906
PINNOTHERES NUDUS HOLMES 1895, 1906
PINNOTHERES PUGETTENSIS HOLMES 1900, 1908
PINNULARIA CONVEXA SOVEREIGN 1963, 3488
PINNULARIA MAKAHANA SOVEREIGN 1963, 3488
PINNULARIA NUBILA SOVEREIGN 1963, 3488
PINNULARIA OBTUSA SOVEREIGN 1963, 3488
PINNULARIA PALOUSIANA SOVEREIGN 1963, 3488
PINNULARIA PLUVIANA SOVEREIGN 1963, 3488
PINNULARIA UMBROSA SOVEREIGN 1963, 3488
PINULARIA SUBPALOUSIANA SOVEREIGN 1963, 3488
PINUS, 2029, 2746
PINUS MURICATA FORMA REMORATA (MASON) HOOVER 1966 [COMB. NOV.], 1934
PINUS MURICATA VAR. CEDROSENSIS HOWELL 1941, 2029
PINUS RADIATA FORMA BINATA (ENGELM.) HOWELL 1941 [COMB. NOV.], 2029
PINUS RADIATA FORMA GUADALUPENSIS HOWELL 1941, 2029
PIPIZA DAVIDSONI CURRAN 1921, 912
PIPIZA DISTINCTA CURRAN 1921, 912
PIPIZA GRANDIFEMORALIS CURRAN 1921, 912
PIPIZA LATIFRONS CURRAN 1921, 912
PIPIZA MACROFEMORALIS CURRAN 1921, 912
PIPIZA OREGONA LOVETT 1919, 788
PIPIZA SEVERNENSIS CURRAN 1921, 912
PIPIZA TRICOLOR CURRAN 1921, 912
PIPIZA VANDUZEEI CURRAN 1921, 912
PIPIZELLA PULCHELLA BANKSI CURRAN 1921, 912
PIPIZELLA RUFITHORACICA CURRAN 1921, 912
PIPUNCULUS GALAPAGENSIS CURRAN 1934, 913
PIPUNCULUS MATEMA CURRAN 1936, 914
PIPUNCULUS SONORENSIS COLE 1923, 786
PIRATA CALIFORNICA BANKS 1904, 260
PISCES:COTTIDAE, 2997
PISCES:LIPARIDAE, 3560
PISCES:SCORPAENIDAE, 3142
PISIDIUM ANGELICUM ROWELL 1867, 3322
PISIDIUM CURVATUM HANNA 1923, 1726
PISIDIUM OCCIDENTALE NEWCOMB 1861, 3000
PISOIDES? CELATUS LOCKINGTON 1877, 2755
PISOIDES? TUMIDUS LOCKINGTON 1877, 2750, 2755
PISSONOTUS DELICATUS MELANURUS VAN DUZEE 1917, 3795
PISSONOTUS GIFFARDI VAN DUZEE 1925, 3804
PITARIA MARTINI DICKERSON 1914, 1055
PITCAIRNIA MONTICOLA BRANDEGEE 1905, 573
PITUOPHIS, 3773, 3786
PITYOPUS, 2116, 2140
PITYROGRAMMA TRIANGULARIS VAR. SEMIPALLIDA HOWELL 1961, 2197
PITYS MAUPIENSIS GARRITT 1872, 1508
PITYS TANEAE GARRITT 1872, 1508
PLACENTICERAS CALIFORNICUM ANDERSON 1902, 44
PLACENTICERAS PACIFICUM SMITH 1900, 3463
PLACENTICERAS SANCTAEMONICAE WARING 1917, 3858
PLACIPHORELLA RUFA STILLMAN 1917, 394
PLACUNANOMIA HANNIBALI JORDAN & HERTLEIN 1926, 2347
PLAEOSPORA MODESTA HARKNESS 1884, 1773
PLAGIOBOTHRYS UNCINATUS HOWELL 1940, 2023
PLAGIOGNATHUS DIVERSUS CRURALIS VAN DUZEE 1917, 3795
PLAGIOGNATHUS DIVERSUS PLUTO VAN DUZEE

1917, 3795
PLAGIOGNATHUS LINEATUS VAN DUZEE 1917, 3795
PLAGIOGNATHUS MUNDUS VAN DUZEE 1917, 3795
PLAGIOGNATHUS PICTIPES VAN DUZEE 1918, 3796
PLAGIOGRAMMA FASCINATUM HANNA & GRANT 1926, 1748
PLAGIOGRAMMA HYMENOPTERA HANNA & GRANT 1926, 1748
PLAGIOGRAMMA INSOLITO HANNA & GRANT 1926, 1748
PLAGIOSTOMA ANNULATUS TRASK 1856, 3681, 3698
PLAGIOSTOMA PEDRONA TRASK 1856, 3681, 3698
PLAGIOSTOMA TRUNCATA TRASK 1856, 3681, 3698
PLAGUSIA INTEGRIPES GARTH 1973, 1510
PLAIOGNATHUS DIVERSUS VAN DUZEE 1917, 3795
PLANNING FOR THE FUTURE OF NATURAL HISTORY MUSEUMS, 26, 1418, 2355, 2622, 3215, 3352
PLANOCAPRINA PALMER 1928, 3050
PLANOCAPRINA TRAPEZOIDES PALMER 1928, 3050
PLANORBIS (ANISUS) ANITENSIS COOPER 1893, 857
PLANORBIS (ANISUS?) PENINSULARIS COOPER 1893, 857
PLANORBIS PLEIOPLEURUS HANNA 1923, 1726
PLANORBIS PLENUS HANNA 1923, 1726
PLANORBIS SUBCRENATUS DISJECTUS COOPER 1890, 850
PLANTAGINACEAE, 1477
PLANTAGO, 2025
PLANTAGO CALIFORNICA GREENE 1885, 1634
PLANTAGO INSULARIS EASTWOOD 1898, 1125
PLANTAGO PURPUSI BRANDEGEE 1908, 575
PLANT GEOGRAPHY, 1573
PLANTS, 1070
PLANTS (DISEASES OF), 438
PLANULINA ANDERSONI CHURCH 1968, 751
PLASTOCERUS AMPLICOLLIS VAN DYKE 1932, 3816
PLATENSINA MALAITA CURRAN 1936, 914
PLATEROS SANGUINICOLLIS HORN 1894, 1935
PLATESSA BILINEATA AYRES 1855, 153, 200
PLATOCOELOTES KAILIENSIS WANG 2003, 3857
PLATYCENTRUS BREVICORNIS VAN DUZEE 1923, 3802
PLATYCERUS CALIFORNICUS CASEY 1885, 708
PLATYCHIRUS FRONTOSUS LOVETT 1919, 788
PLATYCOTIS MARITIMUS PLUTO VAN DUZEE 1917, 3795
PLATYEMBIA ROSS 2003, 3310
PLATYEMBIA TESSELLATA ROSS 2003, 3310
PLATYEMBIINAE ROSS 2003, 3310
PLATYHELMINTHES, 3512
PLATYLITHAX ROBUSTA KELLOGG 1931, 2590
PLATYMANIS PANAYENSIS BROWN & BROWN & ALCALA 1997, 616
PLATYMANTIS, 15, 614
PLATYMANTIS BANAHAO BROWN ET AL. 1997, 615
PLATYMANTIS CAGAYENSIS BROWN & ALCALA & DIESMOS 1999, 614
PLATYMANTIS INDEPRENSUS BROWN & ALCALA & DIESMOS 1999, 614
PLATYMANTIS INSULATUS BROWN & ALCALA 1970, 610
PLATYMANTIS LAWTONI BROWN & ALCALA 1974, 612
PLATYMANTIS LEVIGATUS BROWN & ALCALA 1974, 612
PLATYMANTIS LUZONENSIS BROWN ETAL. 1997, 615
PLATYMANTIS NAOMII ALCALA & BROWN & DIESMOS 1998, 15
PLATYMANTIS NEGROSENSIS BROWN ET AL. 1997, 615
PLATYMANTIS PSEUDODORSALIS BROWN & ALCALA & DIESMOS 1999, 614
PLATYMANTIS PYGMAEUS ALCALA & BROWN & DIESMOS 1998, 15
PLATYMANTIS RABORI BROWN ET AL. 1997, 615
PLATYMANTIS RETICULATUS BROWN & BROWN & ALCALA 1997, 616
PLATYMANTIS TAYLORI BROWN & ALCALA & DIESMOS 1999, 614
PLATYMETOPIUS ANALIS VAN DUZEE 1923, 3802
PLATYMETOPIUS DIABOLUS VAN DUZEE 1925, 3804
PLATYMETOPIUS HYMENOCLEAE VAN DUZEE 1923, 3802
PLATYMETOPIUS JOCOSUS VAN DUZEE 1923, 3802
PLATYMETOPIUS PEXATUS VAN DUZEE 1925, 3804
PLATYMETOPIUS PLANUS VAN DUZEE 1925, 3804
PLATYMETOPIUS RETUSUS VAN DUZEE 1937, 3807
PLATYMETOPIUS SCUTELLATUS VAN DUZEE 1923, 3802
PLATYMETOPIUS SPECIOSUS VAN DUZEE 1923, 3802
PLATYODON CLARKI ADEGOKE 1967, 10
PLATYODON PECKI ADEGOKE 1967, 10
PLATYOIDES RAVINA ANDRIAMALALA & UBICK 2007, 69
PLATYOIDES VAO ANDRIAMALALA & UBICK 2007, 69
PLATYPES LOCKINGTON 1877, 2751
PLATYSTEMON, 501
PLATYSTEMON CALIFORNICUS VAR CAPSULARIS BRANDEGEE 1901, 569
PLATYSTEMON CALIFORNICUS VAR. NUTANS BRANDEGEE 1901, 569
PLATYSTEMON CALIFORNICUS VAR. SPHAEROCARPA BRANDEGEE 1901, 569
PLATYURA EQUALIS VAN DUZEE 1928, 3813
PLATYURA NIGRA COLE 1919, 788
PLATYURA NIGRIBARBA VAN DUZEE 1928, 3813
PLATYUSA CASEY 1885, 708
PLATYUSA SONOMAE CASEY 1885, 708

PLECISTOMUS MACROPS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
PLECOPTERA, 595
PLECOSTOMUS COMMERSONII SCABRICEPS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
PLECOSTOMUS LIMOSUS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
PLECOSTOMUS SEMIUNDUS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
PLECOSTOMUS VERMICULARIS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
PLECTODEROIDES FLAVOVITTATUS FENNAH 1956, 1423
PLECTODON CARPENTER 1865, 700
PLECTODON SCABER CARPENTER 1865, 700
PLECTREURYS BICOLOR BANKS 1898, 259
PLECTREURYS BISPINOSUS CHAMBERLIN 1924, 717
PLECTREURYS CERALBONUS CHAMBERLIN 1924, 717
PLECTREURYS VALENS CHAMBERLIN 1924, 717
PLEISTOCENE, 7, 126, 308, 766, 954, 1069, 1346, 1356, 1695, 1741, 1863, 2280, 2285, 2769, 2834, 2894, 2904, 2931, 3008, 3294, 3486, 3509, 3557, 3714, 3715, 3743, 4005, 4018, 4035, 4038
PLENASCHOPSIS BLAISDELL 1925, 408
PLENASCHOPSIS PILOSISQUAMA BLAISDELL 1925, 408
PLENOCULUS BOHARTI WILLIAMS 1960, 3946
PLENOCULUS BOREGENSIS PERNIGER WILLIAMS 1960, 3946
PLENOCULUS BOREGENSIS WILLIAMS 1960, 3946
PLENOCULUS CUNEATUS WILLIAMS 1960, 3946
PLENOCULUS DAVISI GRACILIS WILLIAMS 1960, 3946
PLENOCULUS DAVISIS MOJAVENSIS WILLIAMS 1960, 3946
PLENOCULUS DAVISI TRANSVERSUS WILLIAMS 1960, 3946
PLENOCULUS DESERTI WILLIAMS 1960, 3946
PLENOCULUS HURDI WILLIAMS 1960, 3946
PLENOCULUS MEXICANUS WILLIAMS 1960, 3946
PLENOCULUS PALMARUM WILLIAMS 1960, 3946
PLENOCULUS SINUATUS WILLIAMS 1960, 3946
PLENOCULUS STYGIUS WILLIAMS 1960, 3946
PLENOCULUS TIMBERLAKEI WILLIAMS 1960, 3946
PLEONOSPORIUM SACCHORIZA SETCHELL & GARDNER 1930, 3388
PLEOSPORA ARGYROSPORA HARKNESS 1884, 1773
PLEOSPORA COMPRESSA HARKNESS 1884, 1773
PLESIENCHELYS ANDERSON 1988, 56
PLESIOCHRYSA ALYTOS DE FREITAS & PENNY 2001, 1045
PLETHODON ELONGATUS VAN DUZEE 1916, 3770
PLETHODON VANDYKEI VAN DENBURGH 1906, 3759
PLEUROBRANCHAEA CALIFORNIACA MACFARLAND 1966, 2789
PLEUROBRANCHUS STRONGI MACFARLAND 1966, 2789
PLEURODON SUBDOLUS STRONG & HERTLEIN 1937, 3602
PLEUROPHYCUS GARDNERI SETCHELL 1901, 3383
PLEUROPHYLLIDIA CALIFORNICA COOPER 1863, 818
PLEUROPOGON HOOVERIANUS (L. BENSON) HOWELL 1946 [COMB. NOV.], 2082
PLEUROSICYA LARSONAE GREENFIELD & RANDALL 2004, 1654
PLEUROSIGMA MANNI HANNA & GRANT 1926, 1748
PLEUROTOMA BARTSCHI ARNOLD 1903, 126
PLEUROTOMA COOPERI ARNOLD 1903, 126
PLEUROTOMA DALLI ARNOLD 1903, 126
PLEUROTOMA DUMBLEI ANDERSON 1905, 45
PLEUROTOMA HEMPHILLII STEARNS 1873, 3539
PLEUROTOMA HOOVERI ARNOLD 1903, 126
PLEUROTOMA MONTEREYENSIS STEARNS 1873, 3539
PLEUROTOMA PEDROANA ARNOLD 1903, 126
PLEUROTOMA-RETICULATA GARRETT 1857, 1504, 1507
PLEUROTOMA SMITHI ARNOLD 1903, 126
PLEUROTOMA (SURCULA) CARPENTERIANA GABB 1865, 1492
PLEUROTOMA (SURCULA) PERVERSA GABB 1865, 1492
PLEUROTOMA VINOSA DALL 1874, 946
PLEXIOPSIS HUCKETT 1966, 2248
PLEXIOPSIS INSOLENS HUCKETT 1966, 2248
PLINTHISUS MARTINI VAN DUZEE 1921, 3798
PLIOCENE, 8, 9, 126, 859, 1105, 1438, 1741, 1746, 1861, 1867, 1868, 1871, 2346, 2610, 2769, 2921, 3227, 3320, 3832, 3882, 4002, 4006, 4018, 4035
PLOIARIOPSIS SONORAENSIS VAN DUZEE 1923, 3802
PLOWRIGHTIA PHYLLOGONA HARKNESS 1885, 1774
PLUMULARIA FRANCISCANA TRASK 1857, 3685, 3703
POA, 2102
POA DOUGLASII SUBSP. MACRANTHA (VASEY) KECK 1964 [COMB. NOV.], 2395
POA FESTUCOIDES JONES 1895, 2326
POA NAPENSIS BEETLE 1946, 331
POCOBLETUS MEXICANUS BANKS 1898, 259
PODARCIS TILIGUERTA, 623
PODASTERIA CHURCHI DURHAM 1942, 1103
PODOCOPA, 3416
PODOLASIA VARICOLOR SAYLOR 1948, 3360
PODOSIRA CLARKI HANNA & GRANT 1926, 1748
PODOSIRA OVOIDEA HANNA & GRANT 1926, 1748
PODOSIRA POLITA HANNA & GRANT 1926, 1748

PODOTHECUS ACCIPITER JORDAN & STARKS 1895, 2342
PODOTHECUS VETERNUS JORDAN & STARKS 1895, 2342
POECILIA PRESIDIONIS JORDAN & CULVER 1895, 2333
POECILOCAPSUS MARMORATUS UHLER 1894, 3728
POECILOSCYTUS INSULARIS VAN DUZEE 1937, 3806, 3807
POECILOSCYTUS INTERMEDIUS UHLER 1894, 3728
POECILOTHRIPS FUSCUS MOULTON 1968, 2963
POGOGYNE, 1947
POGOGYNE ABRAMSI HOWELL 1931, 1947
POGOGYNE DOUGLASII MINOR HOWELL 1931, 1947
POGOGYNE DOUGLASII RAMOSA HOWELL 1931, 1947
POGONEMBIA MOTAGUAE ROSS 2003, 3310
POGONEMBIA NEOVENOSA ROSS 2003, 3310
POGONEMBIA ROSS 2003, 3310
POGONOMYIA AMNICOLA HUCKETT 1966, 2248
POGONOMYIA PROFRONTALIS HUCKETT 1966, 2248
POGONOMYIA RIVALIS HUCKETT 1966, 2248
POGONOMYIA SANTAMONICAE HUCKETT 1966, 2248
POHLIA OBTUSIFOLIA (BRID.) KOCH 1950 [COMB. NOV.], 2618
POINAREMBIA ROSS 2003, 3310
POINAREMBIA ROTA ROSS 2003, 3310
POINAREMBIINI ROSS 2003, 3310
POKENNIPS GRISWOLD 2001, 1671
POLACANHTA BADIA MARTIN 1975, 2831
POLACANTHA ARCUATA MARTIN 1975, 2831
POLACANTHA BREVIS MARTIN 1975, 2831
POLACANTHA GROSSA MARTIN 1975, 2831
POLACANTHA PEGMA MARTIN 1975, 2831
POLACANTHA PETILA MARTIN 1975, 2831
POLACANTHA SINUOSA MARTIN 1975, 2831
POLACANTHA TRIDENS MARTIN 1975, 2831
POLAND, 2615
POLEMIUS LANGUIDUS HORN 1894, 1935
POLEMONIACEAE, 1041
POLEMONIUM PECTINATUM GREENE 1884, 1633
POLEMONIUM VISCOSUM FORMA LEUCANTHUM L.WILLIAMS 1932, 3969
POLIAENUS OBLIQUUS LINSLEY 1942, 2736
POLINICES PROLACTEA ANDERSON 1929, 50
POLIOPTILA CAERULEA AMOENSSIMA GRINNELL 1926, 1668
POLIOPTILA MELANURA ABBREVIATA GRINNELL 1926, 1668
POLYBIA DECEPTA FOX 1895, 1466
POLYCAON MEGALOPS HALL 1901, 1718
POLYCARPON, 2034
POLYCERA KAISERAE HERMOSILLO & VALDES 2007, 1854
POLYCHERIA OSBORNI SKOGSBERG 1928, 3412
POLYCYRTUS ALBOANNULARIS ASHMEAD 1895, 130
POLYCYSTIS CLARIONENSIS SETCHELL & GARDNER 1937, 3389
POLYDORA ALLOPRIS LIGHT 1970, 2722
POLYDORA NARICA LIGHT 1969, 2721
POLYGALA, 525
POLYGALA ACANTHOCLADA VAR. INTRICATA EASTWOOD 1896, 1122
POLYGALA APOPETALA BRANDEGEE 1889, 524
POLYGALA COLLINA BRANDEGEE 1905, 573
POLYGALA CORNUTA KELLOGG 1855, 2441, 2552
POLYGALA DESERTORUM BRANDEGEE 1889, 524
POLYGALA LASSENIANA HELLER 1940, 1816
POLYGALA SANCTI-GEORGII VAR. OBLANCEOLATA HOWELL 1966, 2230
POLYGALA SETIFERA BRANDEGEE 1905, 573
POLYGALA SUBSPINOSA VAR. HETERORHYNCHA BARNEBY 1943, 274
POLYGONUM, 1991, 2130, 3655
POLYGONUM AUSTINAE GREENE 1885, 1636
POLYGONUM DOUGLASII GREENE 1885, 1634
POLYGONUM DOUGLASII VAR. LATIFOLIUM GREENE 1885, 1634
POLYGONUM ENGELMANNI GREENE 1885, 1634
POLYGONUM EXILE EASTWOOD 1902, 1141
POLYGONUM MONTEREYENSE BRENCKLE 1942, 582
POLYGYRA PENITENS HANNA & RIXFORD 1923, 1755
POLYLEPTA MODESTA VAN DUZEE 1928, 3813
POLYMEDON CASTUS WHEELER 1899, 3889
POLYNESIA, 914, 1034, 1813, 3380, 3427, 3807, 3967
POLYNOE GIGAS JOHNSON 1897, 2307
POLYNOE PULCHRA JOHNSON 1897, 2307
POLYNOE RETICULATA JOHNSON 1897, 2307
POLYOPES CLARIONENSIS SETCHELL & GARDNER 1937, 3389
POLYORCHIS HAPLUS SKOGSBERG 1948, 3415
POLYORCHIS MONTEREYENSIS SKOGSBERG 1948, 3415
POLYPLACOPHORA, 3450, 3451
POLYPLOCIUM CALIFORNICUM HARKNESS 1885, 1774
POLYPODIUM BOMBYCINUM VAR. INSULARUM MORTON 1957, 2956
POLYPODIUM CARNOSUM KELLOG 1861, 2484
POLYPODIUM FALCATUM KELLOGG 1854, 2414, 2525
POLYPODIUM SURCURRENS SMITH 1975, 3453
POLYPOGON, 3335
POLYPOGON SEMIVERTICILLATUS (FORSK.) HOOVER 1948 [COMB. NOV.], 1924, 2118
POLYPORUS HOWELLII COOKE & BONAR 1961, 816
POLYSIPHONIA EASTWOODAE SETCHELL &

GARDNER 1930, 3388
POLYSIPHONIA GUADALUPENSIS SETCHELL & GARDNER 1930, 3388
POLYSIPHONIA HOMOIA SETCHELL & GARDNER 1930, 3388
POLYSIPHONIA JOHNSTONII SETCHELL & GARDNER 1924, 3387
POLYSIPHONIA MARCHANTAE SETCHELL & GARDNER 1924, 3387
POLYSIPHONIA MASONII SETCHELL & GARDNER 1930, 3388
POLYSIPHONIA SINICOLA SETCHELL & GARDNER 1924, 3387
POLYSTICHUM BICOLOR SMITH 1975, 3453
POLYSTICHUM ERYTHROSORUM SMITH 1975, 3453
POLYSTICHUM FURFURACEUM SMITH 1975, 3453
POLYXENUS POECILIUS CHAMBERLIN 1923, 716
POMACENTRIDAE, 756
POMACENTRUS COELESTIS JORDAN & SNYDER 1900, 2344
POMACENTRUS GILLI GILBERT & STARKS 1904, 1555
POMPHOLINAE DALL 1866, 931
POMPILUS AEQUUS FOX 1894, 1465
POMPILUS CONNEXUS FOX 1893, 1464
POMPILUS PORUS FOX 1894, 1465
PONTANIA STIPATA MACGILLIVRAY 1921, 1759
PONTANIA SUBATRATA MACGILLIVRAY 1921, 1759
PONTANIA SUBLORATA MACGILLIVRAY 1921, 1759
PONTANIA SUETA MACGILLIVRAY 1921, 1759
PONTINUS LEDA ESCHMEYER 1969, 1366
PONTODRILUS MICHAELSENI EISEN 1895, 1337
PONTOMALOTA CALIFORNICA CASEY 1885, 708
PONTOMALOTA CASEY 1885, 708
PONTOMALOTA NIGRICEPS CASEY 1885, 708
POPULUS DIMORPHA BRANDEGEE 1905, 573
POPULUS MONTICOLA BRANDEGEE 1890, 538
PORICHTHYS GREENEI GILBERT & STARKS 1904, 1555
PORIFERA, 2678
PORIFERA:DEMOSPONGIAE:PLAKINIDAE, 2981
PORODISCUS, 3592
POROMYA GABBIANA ANDERSON & MARTIN 1914, 53
POROMYA TROSTI STRONG & HERTLEIN 1937, 3602
PORONOTUS SIMILLIMUS AYRES 1861, 175
POROPHYLLUM LEPTOPHYLLUM JOHNSTON 1924, 2313
POROPHYLLUM MARITIMUM BRANDEGEE 1901, 568
POROPHYLLUM QUINQUEFLORUM BRANDEGEE 1905, 573
PORPHYRA, 2253
PORPHYRA NAIADUM BLANKINSHIP 1892, 468
PORPHYRA NEREOCYSTIS BLANKINSHIP 1892, 468
PORPHYROPS MONTANUS VAN DUZEE 1920, 3809
PORTRAITS, 1404
PORTUGAL, 1612
PORYPHYROPS EFFILATUS WHEELER 1899, 3889
PORYPHYROPS XIPHERES WHEELER 1899, 3889
POTAMOGETON, 3336
POTENTILLA, 1970, 2075
POTENTILLA APERTA HOWELL 1961, 2198
POTENTILLA BAILEYI VAR. SETOSA (WATS.) HOWELL 1945 [COMB. NOV.], 2075
POTENTILLA CARUIFOLIA VAR. DIVERGENS CRUM 1934, 909
POTENTILLA CLARKIANA KELLOGG 1877, 2580
POTENTILLA DOUGLASII VAR. FILICOIDES CRUM 1934, 909
POTENTILLA EGEDII VAR. GRANDIS (T.&G.) HOWELL 1948 [COMB. NOV.], 2100
POTENTILLA (HORKELIA) CONGESTA VAR. NEMOROSA (KECK) HOWELL 1945 [COMB. NOV.], 2075
POTENTILLA (HORKELIA) DAUCIFOLIA VAR. LATIOR (KECK) HOWELL 1945 [COMB. NOV.], 2075
POTENTILLA (HORKELIA) DOUGLASII VAR. CAPITATA (LINDL.) HOWELL 1945 [COMB. NOV.], 2075
POTENTILLA (HORKELIA) DOUGLASII VAR. PARVIFLORA (NUTT.) HOWELL 1945 [COMB. NOV.], 2075
POTENTILLA (HORKELIA) HENDERSONII (HOWELL) HOWELL 1945 [COMB. NOV.], 2075
POTENTILLA (HORKELIA) LINDLEYI VAR. SERICEA (GRAY) HOWELL 1945 [COMB. NOV.], 2075
POTENTILLA (HORKELIA) MARINENSIS (ELMER) HOWELL 1945 [COMB. NOV.], 2075
POTENTILLA (HORKELIA) TILINGII VAR. FLAVESCENS (RYDB.) HOWELL 1945 [COMB. NOV.], 2075
POTENTILLA (IVESIA) LYCOPODIOIDES VAR. MEGALOPELATA (RYDB.) HOWELL 1945 [COMB. NOV.], 2075
POTENTILLA (IVESIA) LYCOPODIOIDES VAR. SCANDULARIS (RYDB.) HOWELL 1945 [COMB. NOV.], 2075
POTENTILLA (IVESIA) SERICOLEUCA (RYDB.) HOWELL 1945 [COMB. NOV.], 2075
POTENTILLA (IVESIA) TWEEDYI (RYDB.) HOWELL 1945 [COMB. NOV.], 2075
POTENTILLA KELLOGGII VAR. CUNEATA (LINDL.) HOOVER 1966 [COMB. NOV.], 1934
POTENTILLA KELLOGGII VAR. PUBERULA (GREENE) HOOVER 1966 [COMB. NOV.], 1934
POTENTILLA OSTERHOUTII (A. NELS.) HOWELL 1945 [COMB. NOV.], 2075
POTENTILLA OSTERHOUTII VAR. SAXOSA (T.S. BRANDEGEE) HOWELL 1945 [COMB. NOV.], 2075
POTENTILLA OSTERHOUTII VAR. TYPICA HOWELL 1945 [NOM. NOV.], 2075
POTENTILLA (PURPUSIA), 2075

POTENTILLA (PURPUSIA) PATELLIFERA HOWELL 1945, 2075
POTENTILLA TULARENSIS HOWELL 1966, 2224
PRATEUS DENTATUS VAN DYKE 1953, 3818
PRESBYCHEN ABAVUS WETMORE 1930, 3881
PRESIDENT'S ADDRESS, 1294, 1781, 3920
PRIACANTHIDAE, 1447
PRIACANTHUS HELVOLUS JORDAN & EVERMANN & TANAKA 1927, 2339
PRIBILOF ISLANDS, 1743, 1759
PRÍINCIPE, 978, 981, 3105, 3115, 3735
PRIMATES, 2940
PRIMULA BROADHEADEA VAR. MINOR JONES 1893, 2321
PRIMULA BRODHEADAE JONES 1893, 2321
PRIMULA INCANA JONES 1895, 2326
PRINGSHEIMIA MARCHANTAE SETCHELL & GARDNER 1924, 3387
PRIONOTUS RUSCARIUS GILBERT & STARKS 1904, 1555
PRIONTROPIS BRANNERI ANDERSON 1902, 44
PRISTILOMA JUNIPERUM SMITH 1957, 3441
PRISTIPHORA CARPENTER 1866, 700
PRISTIPHORA OBLONGA CARPENTER 1866, 700
PRISTIS ZEPHYREUS JORDAN & STARKS 1895, 2333
PRISTURUS RÜPPELL 1835, 3054
PRIVATELY PRINTED `FROM THE PROCEEDINGS', 70, 603, 671, 673, 951, 1540, 1772, 1790, 2585, 2673, 3549, 3550, 3551, 3552, 3553, 3554
PROBRACHISTA NEPALENSIS VIGGIANI 1968, 1075
PROBRACHISTA VIGGIANI 1968, 1075
PROCANACE CURRAN 1934, 913
PROCANACE GALAPAGENSIS CURRAN 1934, 913
PROCANACE PANAMENSIS CURRAN 1934, 913
PROCERATIUM GOOGLE FISHER 2005, 1441
PROCIPHILIS OSMANTHAE ESSIG & KUWANA 1918, 1376
PROCTACANTHUS ARNO TOWNSEND 1895, 3674
PROCTACANTHUS ZAMON TOWNSEND 1895, 3674
PROLATIFORCEPS FENESTELLA MARTIN 1975, 2831
PROLATIFORCEPS MARTIN 1975, 2831
PROLATIFORCEPS THULIA MARTIN 1975, 2831
PROMYCTEROMYIA COSCARON & PHILIP 1979, 870
PROMYCTEROMYIA DEROCERCA COSCARON & PHILIP 1979, 870
PROMYCTEROMYIA GALBINA COSCARON & PHILIP 1979, 870
PROMYCTEROMYIA PECHUMANI COSCARON & PHILIP 1979, 870
PROMYCTEROMYIA PENAI COSCARON & PHILIP 1979, 870
PROMYCTEROMYIA XANTHA COSCARON & PHILIP 1979, 870
PROSERPINELLA HANNAE DALL 1926, 953
PROSERPINUS TERLOOII EDWARDS 1875, 1289
PROSTHESIMA COMPLETA BANKS 1898, 259
PROSTHESIMA DIRECTA BANKS 1898, 259
PROSTHESIMA FIDELIS BANKS 1898, 259
PROSTHESIMA GENTILIS BANKS 1898, 259
PROSTHESIMA GRISEA BANKS 1898, 259
PROSTHESIMA INDECISA BANKS 1898, 259
PROSTHESIMA MEXICANA BANKS 1898, 259
PROSTHESIMA PENINSULANA BANKS 1898, 259
PROTALEBRA SCRIPTOZONA VAN DUZEE 1923, 3802
PROTINUS SALEBROSUS CASEY 1885, 708
PRUINOSAE WALTHER 1959 [SER. NOV.], 3856
PRUNUS PUNCTATA (JEPSON) HOOVER 1966 [COMB. NOV.], 1934
PSALLUS ASPERSUS VAN DEUZEE 1923, 3802
PSALLUS BIGUTTULATUS UHLER 1894, 3728
PSALLUS CROCEUS VAN DUZEE 1918, 3796
PSALLUS FLORA VAN DUZEE 1923, 3802
PSALLUS GREGALIS VAN DUZEE 1923, 3802
PSALLUS LEMNISCATUS VAN DUZEE 1923, 3802
PSALLUS LONGIROSTRIS CARVALHO 1968, 706
PSALLUS PANTHERINUS VAN DUZEE 1917, 3795
PSALLUS SOROR VAN DUZEE 1917, 3795
PSALLUS TUBERCULATUS VAN DUZEE 1923, 3802
PSALLUS USINGERI CARVALHO 1968, 706
PSAMMOLEON FEMORALIS BANKS 1942, 262
PSAMMOLEON NORMALIS BANKS 1942, 262
PSAMMPHILETRIA DELICATA ROBERTS 2003, 3281
PSAMMPHILETRIA NASUTA ROBERTS 2003, 3281
PSAMMPHILETRIA ROBERTS 2003, 3281
PSEPHIS SALMONEA CARPENTER 1866, 700
PSEUDAGKISTRODON CARINATUS VAN DENBURGH 1909, 3762
PSEUDALPIA EDWARDS 1873, 1277
PSEUDALYPIA CROTCHII EDWARDS 1873, 1277
PSEUDATRICHIA IDAHOENSIS KELSEY 1971, 2599
PSEUDATRICHIA INSULANA COLE 1923, 786
PSEUDATRICHIA RUFITRUNCULA KELSEY 1971, 2599
PSEUDATRICHIA SCHLINGERI KELSEY 1971, 2599
PSEUDIRIS GIL & CHUKR & GIULIETTI & AMARAL 2008, 1553
PSEUDIRIS SPECIOSA GIL & CHUKR & GIULIETTI & AMARAL 2008, 1553
PSEUDOCERAMODACTYLUS HAAS 1957, 1713
PSEUDOCERAMODACTYLUS KHOBARENSIS HAAS 1957, 1713
PSEUDOCERASTES URARACHNOIDES BOSTANCHI & ANDERSON & KAMI & PAPENFUSS 2006, 487
PSEUDOGOBIO CHAOI EVERMANN & SHAW 1927, 1400
PSEUDOHYDNOTRYA CARNEA HARKNESS 1899, 1789
PSEUDOHYDNOTRYA NIGRA HARKNESS 1899, 1789
PSEUDOLECANIUM TOKIONIS KUWANA 1901, 2643
PSEUDOLIVA DILLERI DICKERSON 1914, 1055
PSEUDOLIVA INORNATA DICKERSON 1915, 1057

PSEUDOLIVIA TEJONENSIS DICKERSON 1915, 1057
PSEUDONPINNIXA NITIDA HOLMES 1895, 1906
PSEUDOPALANIA DAUTZENBERGIANA YEN 1948, 4020
PSEUDOPIMELODUS ACANTHOCHIRUS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
PSEUDOPINNIXA HOLMES 1895, 1906
PSEUDOPLATYSTOMA FASCIATUM BREVEFILE C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
PSEUDOPLATYSTOMA FASCIATUM INTERMEDIUM C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
PSEUDOPLATYSTOMA FASCIATUM NIGRICANS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
PSEUDOPLATYSTOMA FASCIATUM RETICULATUM C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
PSEUDOPOLYDORA KEMPI CALIFORNICA LIGHT 1969, 2721
PSEUDOPRIACANTHUS LUCASANUS CLARK 1936, 755
PSEUDOPSIS DETRITA HALL 1901, 1718
PSEUDOPSIS MINUTA HALL 1901, 1718
PSEUDORABDION MONTANUM LEVITON & BROWN 1959, 2709
PSEUDORABDION TAYLORI LEVITON & BROWN 1959, 2709
PSEUDOSQUILLA MARMORATA LOCKINGTON 1877, 2750
PSEUDOSTEGOPHILUS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
PSEUDOSTICTODISCUS PICUS HANNA 1927, 1734
PSEUDOSUBULINA EVERMANNI DALL 1926, 953
PSEUDOTSUGA, 2745
PSIDIUM SOCORRENSE JOHNSTON 1931, 2314
PSILACTIS CRISPA BRANDEGEE 1889, 524
PSILOCEPHALA TEPOCAE COLE 1923, 786
PSILOCHORUS AGNOSTICUS CHAMBERLIN 1924, 717
PSILOCHORUS APICALIS BANKS 1921, 261
PSILOCHORUS DOGMATICUS CHAMBERLIN 1924, 717
PSILOCHORUS MINUTUS BANKS 1898, 259
PSILORHYNCHUS GRACILIS RAINBOTH 1983, 3174
PSOCOPTERA, 2737, 3483
PSORALEA CASTOREA JONES 1895, 2326
PSORALEA FRUTICOSA KELLOGG 1877, 2580
PSORALEA JUNCEA EASTWOOD 1896, 1122
PSORALEA (PEDIOMELUM) EPIPSILA BARNEBY 1943, 274
PSYCHE CONIFERELLA EDWARDS 1877, 1299
PSYCHE FRAGMENTELLA EDWARDS 1877, 1299
PSYLLOBORA BISIGMA VAN DYKE 1953, 3818
PTAX JORDAN & EVERMANN 1927, 2348
PTERELEOTRIS LETHOLEPIS CLARK 1938, 756
PTERIDOPHYTA, 679, 2822, 2956, 3453, 3454
PTERIS CHIAPENSIS SMITH 1975, 3453
PTEROCHEILUS PENINSULARIS BOHART 1948, 472
PTERODONTIA VIX TOWNSEND 1895, 3674
PTEROPLATEA MARMORATA COOPER 1864, 825
PTEROPLATEA RAVA JORDAN & STARKS 1895, 2333
PTEROSTEGIA FRUTICOSA GREENE 1885, 1636
PTEROSTEGIA GALIOIDES GREENE 1885, 1636
PTEROSTEPHANUS KELLOGG 1863, 2512
PTEROSTEPHANUS RUNCINATUS KELLOGG 1863, 2512
PTEROSTICHUS BRACHYLOBUS KAVANAUGH & LABONTE 2006, 2358
PTEROSTICHUS INERMIS HALL 1901, 1718
PTEROSTICHUS (LEPTOFERONIA) BLODGETTENSIS WILL 2007, 3939
PTEROSTICHUS (LEPTOFERONIA) DEINO WILL 2007, 3939
PTEROSTICHUS (LEPTOFERONIA) ENYO WILL 2007, 3939
PTEROSTICHUS (LEPTOFERONIA) PEMPHREDO WILL 2007, 3939
PTEROTHECA CRUCIFERA HANNA 1927, 1734
PTEROTHECA EVERMANNI HANNA 1927, 1734
PTILIUM SULCATUM CASEY 1886, 710
PTILODEXIA CALIFORNICA WILDER 1979, 3932
PTILODEXIA MACULATA WILDER 1979, 3932
PTILODEXIA PACIFICA WILDER 1979, 3932
PTILODEXIA SABROSKYI WILDER 1979, 3932
PTILODEXIA WESTI WILDER 1979, 3932
PTYCHATRACTUS OCCIDENTALIS STEARNS 1873, 3539
PTYCHOMITRIUM GARDNERI LESQUEREUX 1868, 2688
PTYCHOSTYLIS CAFFEA GABB 1865, 1492
PTYCHOSTYLIS GABB 1865, 1492
PTYCTOLAEMUS COLLICRISTATUS SCHULTE & VINDUM 2004, 3372
PUBLICATION DATES, 2211
PUBLICATIONS, 2935, 2938, 3653, 3725
PUCCINIA ANACHORETA HARKNESS 1884, 1773
PUCCINIA CONGREGATA ELLIS & HARKNESS 1884, 1347
PUCCINIA DIGITATA ELLIS & HARKNESS 1884, 1347
PUCCINIA EVADENS HARKNESS 1884, 1773
PUCCINIA GILIAE HARKNESS 1884, 1773
PUCCINIA NODOSA ELLIS & HARKNESS 1884, 1347
PUCCINIA ORNATA HARKNESS 1889, 1780
PUCCINIA SYMPHORICARPI HARKNESS 1884, 1773
PUCCINIA VARIOLANS HARKNESS 1884, 1773
PUCINIA MELANCONIOIDES ELLIS & HARKNESS 1884, 1347
PUERTO RICO, 1471, 2620
PUFFINUS INCEPTOR WETMORE 1930, 3881
PUGNELLUS ROTUNDUS WARING 1917, 3858
PULVINARIA HAZEAE KUWANA 1902, 2644
PULVINARIA HORII KUWANA 1902, 2644
PULVINARIA OYAMAE KUWANA 1902, 2644
PUNCTARIA WINSTONII ANDERSON 1894, 42

PUNCTUM PLANATUM DALL 1926, 953
PUNCTURELLA COOPERI CARPENTER 1866, 700
PUNTIUS ENDECANALIS ROBERTS 1989, 3279
PUPA ARIZONENSIS VAR SAXICOLA COCKERELL 1891, 771
PUPA OVATA FORMA ANTIQUORUM COCKERELL 1891, 771
PUPILLA GONIODON PILSBRY 1927, 3120
PUPILLA GUADALUPENSIS PILSBRY 1927, 3120
PUPOIDES CATALINENSIS HANNA 1923, 1728
PUPOIDES TEPHRODES ROTH 1986, 3318
PUREN ALBOVARIA BANKS 1942, 262
PURENLEON ABRUPTUS STANGE 2002, 1900
PURPUA-STRIATELLA GARRETT 1857, 1504, 1507
PURPURA CANALICULARA, 3535
PURSHIA GLANDULOSA CURRAN 1885, 917
PYCNOMMA RUTTER 1904, 3346
PYCNOMMA SEMISQUAMATUM RUTTER 1904, 3346
PYGIDIANOPS EIGENMANNI MYERS 1944, 2990
PYGIDIANOPS MYERS 1944, 2990
PYGIDIIDAE, 2990
PYGIDIUM IMMACULATUM C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
PYGIDIUM OROYAE C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
PYLAIELLA LITTORALIS FORMA DENSA SAUNDERS 1898, 3357
PYLOPHORA INSULARIS VAN DUZEE 1923, 3802
PYLOPHORA PUNCTATA VAN DUZEE 1923, 3802
PYLOPHORA VAN DUZEE 1923, 3802
PYRAMIDELLA COOPERI ANDERSON & MARTIN 1914, 53
PYRAMIDELLA FREMONTI ANDERSON & HANNA 1925, 51
PYRAMIDELLA MUCRONIS ANDERSON & HANNA 1925, 51
PYRAMIDELLA SLEVINI ANDERSON & HANNA 1925, 51
PYRELLIA AMPULLACEA COURI & PONT & PENNY 2006, 875
PYRGUPYXIS EOCENA HENDEY 1969, 1831
PYRGUPYXIS HENDEY 1969, 1831
PYRRHULINA MAXIMA C.H.EIGENMANN & R.S.EIGENMANN 1889, 1318
PYTNA CASEY 1887, 711
PYTNA CORTICINA CASEY 1887, 711
PYXILLA BOOTHI HANNA & BRIGGER 1964, 1744
QUATERNARY, 7, 47, 954, 1062, 1863, 2834, 2931, 3466, 3743, 4018, 4040
QUERCUS, 1257
QUERCUS ALVORDIANA EASTWOOD 1905, 1142
QUERCUS ARCOGLANDIS KELLOGG 1855, 2415, 2526
QUERCUS FULVESCENS KELLOGG 1855, 2448, 2449, 2559
QUERCUS GANDERI WOLF HYBRI.NOV. 1944, 3996
QUERCUS MOREHUS KELLOGG 1859, 2474
QUERCUS RANSOMI KELLOGG 1855, 2415, 2526
QUERCUS VACCINIFOLIA KELLOGG 1857, 2451, 2563
RABDOTUS PERHIRSUTUS MILLER & CHRISTENSEN & ROTH 1990, 3452
RABULA ROTCHII CLARK 1936, 755
RACOMITRIUM DEPRESSUM LESQUEREUX 1868, 2688
RADIOCENTRUM LAEVIDOMUS ROTH 1986, 3318
RADIOCENTRUM TAYLORI ROTH 1986, 3318
RADIOLITES INFLATA PALMER 1928, 3050
RADIOLITES PERFORATA PALMER 1928, 3050
RADIOLITES ROBUSTA PALMER 1928, 3050
RAECIUS CONGOENSIS GRISWOLD 2002, 1672
RAECIUS JOCQUEI GRISWOLD 2002, 1672
RAECIUS SCHARFFI GRISWOLD 2002, 1672
RAINFALL, 1832
RALFSIA PANGOENSIS GALAPAGENSIS SETCHELL & GARDNER 1937, 3389
RAMIELLONA BALANTINA GATES 1962, 1514
RAMIELLONA GUATEMALANA GATES 1962, 1514
RAMIELLONA MEXICANA GATES 1962, 1514
RAMIELLONA STRIGOSA GATES 1962, 1514
RAMONA CAPITULUM CASEY 1886, 710
RAMONA CASEY 1886, 710
RANAPALUS EISENII KELLOGG 1877, 2581
RANAPALUS KELLOGG 1877, 2581
RANA TAIPEHENSIS VAN DENBURGH 1909, 3762
RANDIA ALBONERVIA BRANDEGEE 1908, 577
RANDIA MEGACARPA BRANDEGEE 1908, 577
RANIDAE, 1081
RANUNCULUS, 2025
RANUNCULUS BOLANDERI GREENE 1886, 1639, 1640
RANUNCULUS CUSICKII JONES 1895, 2326
RANUNCULUS EISENII KELLOGG 1877, 2582
RANUNCULUS JUNIPERINUS JONES 1895, 2326
RANUNCULUS LUDOVICIANUS GREENE 1886, 1639, 1640
RANZANIA MAKUA JENKINS 1895, 2298
RAPANA IMPERIALIS HERTLEIN & JORDAN 1927, 1873
RAPHIDIA AUSTRALIS BANKS 1895, 258
RAPHIDIOPTERA, 3046, 3109
RASBORA ENNEALEPIS ROBERTS 1989, 3279
RASBORA SUBTILIS ROBERTS 1989, 3279
RATHBUELLA ALLENI GILBERT 1904, 1554
RECENT, 2625
RECONSTRUCTIONS, 2724
REDDING (BENJAMIN BARNARD), 3553
RED SEA, 797
REGELIA, 1150
REICHENBACHIA FRANCISCANA CASEY 1886, 710
REICHENBACHIA FUNDATA CASEY 1886, 710
REICHENBACHIA GRACILICORNIS CASEY 1886, 710

REICHENBACHIA INFORMIS CASEY 1886, 710
REICHENBACHIA NEVADENSIS CASEY 1886, 710
REICHENBACHIA TUMIDICORNIS CASEY 1886, 710
REICHENBACHIA TUMOROSA CASEY 1886, 710
RENOCIS CASEY 1886, 710
RENOCIS HETERODOXUS CASEY 1886, 710
REPTILES, 61, 62, 63, 64, 65, 66, 67, 265, 266, 313, 314, 315, 316, 317, 318, 319, 320, 352, 487, 488, 598, 606, 607, 609, 611, 617, 618, 619, 620, 661, 669, 695, 758, 760, 759, 761, 817, 911, 1072, 1078, 1501, 1502, 1512, 1515, 1559, 1644, 1713, 1813, 2257, 2689, 2690, 2691, 2701, 2702, 2703, 2704, 2705, 2707, 2708, 2709, 2710, 2712, 2713, 2752, 2816, 2833, 2902, 2922, 2923, 2924, 2925, 2926, 2939, 2983, 2984, 2985, 3053, 3054, 3059, 3185, 3186, 3348, 3366, 3418, 3419, 3420, 3421, 3423, 3425, 3427, 3428, 3429, 3430, 3431, 3432, 3435, 3615, 3744, 3745, 3746, 3747, 3748, 3751, 3752, 3753, 3754, 3755, 3756, 3757, 3758, 3760, 3761, 3762, 3763, 3764, 3765, 3766, 3767, 3769, 3771, 3772, 3773, 3774, 3775, 3776, 3777, 3778, 3779, 3780, 3781, 3782, 3783, 3784, 3785, 3787, 3788, 3789, 3790, 3791, 3792, 3786, 3793, 3826, 3834, 3845, 3878, 4032
REPTILIA:AGAMIDAE, 4033
REPTILIA:AMPHISBAENIA, 1502, 3053
REPTILIA:BATAGURIDAE, 1068
REPTILIA:GEKKONIDAE, 1813, 2885, 4034
REPTILIA:LACERTIDAE, 623, 2964
REPTILIA:SCINCIDAE, 4032
REPTILIA:TESTUDINIDAE, 3059
RESOLUTION, 734
RETUSAE WALTHER 1959 [SER. NOV.], 3856
RETUSA GONZAGENSIS BAKER & HANNA 1927, 233
RETUSA MONTEREYENSIS SMITH & GORDON 1948, 3449
REUTEROSCOPUS FALCATUS VAN DUZEE 1917, 3795
REVILLAGIGEDO ISLANDS, 232, 369, 563, 953, 1463, 1733, 1748, 2107, 2314, 2346, 2347, 2740, 2883, 3235, 3388, 3420, 3595, 3599, 3892
REVISION, 68, 94, 278, 316, 318, 901, 1176, 1178, 1363, 1415, 1659, 1875, 2371, 3014, 3161, 3163, 3168, 3406, 3748, 3857, 3880
RHABDAMMINA EOCENICA CUSHMAN & HANNA 1927, 925
RHABDOCHAETA CROCKERI CURRAN 1936, 914
RHABDOMASTIX CALIFORNIENSIS ALEXANDER 1921, 22
RHABDOMASTIX FASCIGER ALEXANDER 1920, 21
RHABDOPHIS AURICULATA MYERSI LEVITON 1970, 2691
RHABDOPSELAPHUS ALBOPILOSUS COLE 1923, 785
RHABDOSELAPHUS PYGMAEUS COLE 1923, 785
RHACOPHORIDAE, 613, 3936
RHACOPHORUS HTUNWINI WILKINSON & THIN THIN & KYI SOE LWIN & AWAN KHWI SHEIN 2005, 3938
RHAGADIOLUS, 3206
RHAGODERA LATICEPS BLAISDELL 1925, 408
RHAMDELLA C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
RHAMDELLA ERIARCHA C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
RHAMDIA OBESA C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
RHAMDIA PARRYI C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
RHAMDIA POEYI C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
RHAMDIA TENELLA C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
RHAMNUS ILICIFOLIUS KELLOGG 1859, 2475
RHAMNUS INSULUS KELLOGG 1859, 2468
RHAPHIOMIDAS MELLIFEX TOWNSEND 1895, 3674
RHAPHIOMIDAS XANTHOS TOWNSEND 1895, 3674
RHAPHONEIS OBESA HANNA 1932, 1737
RHAPHONEIS OBESULA HANNA 1932, 1737
RHAPHONEIS PARILIS HANNA 1932, 1737
RHEXIDIUS CASEY 1887, 711
RHEXIDIUS GRANULUSOS CASEY 1887, 711
RHINACLOA RUBESCENS CARVALHO 1968, 706
RHINOBATES PUNCTIFER CAMPAGNO & RANDALL 1987, 797
RHINOBATIFORMES:RHINOBATIDAE, 797
RHINOBRYCON MYERS 1944, 2989
RHINOBRYCON NEGRENSIS MYERS 1944, 2989
RHINOPIAS APHANES ESCHMEYER 1973, 1370
RHINOPIAS ARGOLIBA ESCHMEYER & HIROSAKI & ABE 1973, 1370
RHIPIDANDRUS PENINSULARIS HORN 1894, 1935
RHIZOCLONIUM ROBUSTUM SETCHELL & GARDNER 1937, 3389
RHIZOPOGON AURANTIUS HARKNESS 1899, 1789
RHODOCHORTON EASTWOODAE SETCHELL & GARDNER 1930, 3388
RHODOPHYCEAE, 3384
RHOICINUS ANDINUS EXLINE 1960, 1405
RHOICINUS ROTHI EXLINE 1960, 1405
RHOICINUS SCHLINGERI EXLINE 1960, 1405
RHOICINUS WEYRAUCHI EXLINE 1960, 1405
RHOPALOPHORA BICINCTA HORN 1895, 1936
RHOPALOPHORELLA LINSLEY 1942, 2736
RHOPALOSIPHUM LESPEDEZAE ESSIG & KUWANA 1918, 1376
RHOPALOSIPHUM MAGNOLIAE ESSIG & KUWANA 1918, 1376
RHOTANA SATSUMANA CONTRACTA FENNAH 1956, 1423
RHUS LENTII KELLOGG 1859, 2466
RHUS VEATCHIANA KELLOGG 1859, 2469
RHYACOPHILA RAYNERI ROSS 1951, 3313
RHYCHITES AERATOIDES HALL 1901, 1718
RHYMOSIA PARVICAUDA VAN DUZEE 1928, 3813

RHYMOSIA PLUMOSA VAN DUZEE 1928, 3813
RHYMOSIA SPINICAUDA VAN DUZEE 1928, 3813
RHYNCHONELLA DENSLEONIS ANDERSON 1902, 44
RHYNCHONELLA WHITEANA ANDERSON 1902, 44
RHYNCHOSIA PROSTRATA BRANDEGEE 1908, 577
RHYNCHOSIA RUPICOLA BRANDEGEE 1905, 573
RHYNCHOTHRIPS FUSCIPNNIS MOULTON 1968, 2963
RHYSSOPLAX LINSLEYI BURGHARDT 1973, 662
RIBES ASCENDENS EASTWOOD 1902, 1140
RIBES BALSAMIFERA KELLOGG 1861, 2485
RIBES BRANDEGEI EASTWOOD 1902, 1140
RIBES DIVARICATUM VAR. RIGIDUM PECK 1954, 3095
RIBES GLAUCESCENS EASTWOOD 1902, 1140
RIBES HITTELLIANUM EASTWOOD 1902, 1140
RIBES HYSTRIX EASTWOOD 1902, 1140
RIBES INDECORUM EASTWOOD 1902, 1140
RIBES INERME VAR. SUBARMATUM PECK 1954, 3095
RIBES MENZIESII FORMA VICTORIS (GREENE) HOOVER 1966 [COMB. NOV.], 1934
RIBES NAVADAENSIS KELLOGG 1855, 2443, 2554
RIBES OLIGACANTHUM EASTWOOD 1902, 1140
RIBES QUERCETORUM GREENE 1885, 1634
RIBES SERICEUM EASTWOOD 1902, 1140
RIBES VELUTINUM GREENE 1885, 1634
RIBES WATKINSI EASTWOOD 1936, 1193
RICCIA HOWELLII HOWE 1934, 1945
RICCIA IODOCHEILA HOWE 1934, 1945
RICKETTSIAE, 3118
RIDDELLIA TAGETINA VAR. PUMILA JONES 1895, 2327
RIDDELL (JANET), 2309
RIPERSIA FESTUCAE KUWANA 1901, 2643
RISSOA ACUTELIRATA CARPENTER 1866, 700
RISSOA-CRASSILABRUM GARRETT 1857, 1504, 1507
RISSOA-MULTICOSTATA GARRETT 1857, 1504, 1507
RISSOELLA BAKERI STRONG 1938, 3597
RISSOELLA HERTLEINI SMITH & GORDON 1948, 3449
RISSOELLA JOHNSTONI BAKER & HANNA & STRONG 1930, 235
RISSOINA BERRYI BAKER & HANNA & STRONG 1930, 235
RISSOINA GISNA BASILIRATA BAKER & HANNA & STRONG 1930, 235
RISSOINA GUADALUPENSIS STRONG 1938, 3597
RISSOINA HANNAI SMITH & GORDON 1948, 3449
RISSOINA INTERFOSSA CARPENTER 1866, 700
RISSOINA KEENAE SMITH & GORDON 1948, 3449
RISSOINA LOWEI STRONG 1938, 3597
RISSOINA MELANELLOIDES BAKER & HANNA & STRONG 1930, 235
RISSOINA PORTERI BAKER & HANNA & STRONG 1930, 235
RISSOINA STEPHENSAE BAKER & HANNA & STRONG 1930, 235
RISSOINA WILLETTI STRONG 1938, 3597
ROBINSONETTA BARBOI HANNA & BRIGGER 1964, 1744
ROBINSONETTA HANNA & BRIGGER 1964, 1744
ROBOASTRA CABOVERDENSIS POLA & VERVERA & GOSLINER 2003, 3132
ROCCELLA FIMBRIATA DARBISHIRE 1935, 987
ROCKY MOUNTAINS, 3921, 3969, 3970
RODGERS (SHIP), 70
ROMNEYA TRICHOCALYX EASTWOOD 1898, 1125
ROSA LESTERAE EASTWOOD 1943, 1246
ROSALINA NATLANDI CHURCH 1968, 750
ROSA SPITHAMEA FORMA PINETORUM (HELLER) HOOVER [COMB. NOV.], 1934
ROSCOELITE (NEW MINERAL), 435
ROSELLINIA RHYNVOSPORA HARKNESS 1884, 1773
ROSELLINIA SPINOSA HARKNESS 1884, 1773
ROTHROCKIA FRUTICOSA BRANDEGEE 1901, 568
ROTHROCKIA UMBELLATA BRANDEGEE 1901, 568
ROTH (VINCENT DANIEL), 3725
ROULINIA SINALOENSIS BRANDEGEE 1908, 576
ROUXIA MOHOLENSIS SCHRADER 1974, 3371
RUBUS, 2066
RUBUS GLAUCIFOLIUS KELLOGG 1855, 2447, 2558
RUBUS SPECTABILIS VAR. FRANCISCANUS (RYDB.) HOWELL 1948 [STAT. NOV.], 2100
RUBUS URSINUS VAR. EASTWOODIANUS (RYDB.) HOWELL 1948 [STAT. NOV.], 2100
RUBUS URSINUS VAR. SIRBENUS (BAILEY) HOWELL 1948 [STAT. NOV.], 2100
RUDBECKIA GLAUCESCENS EASTWOOD 1937, 1203
RUELLIA CORDATA BRANDEGEE 1901, 568
RUELLIA FOLIOSEPALA DANIEL 2008, 974
RUELLIA LEUCANTHA BRANDEGEE 1901, 565
RUMEX, 3220
RUMEX NEMATOPODUS RECHINGER 1954, 3219
RUMEX OCCIDENTALIS VAR. PROCERUS (GREENE) HOWELL 1948 [STAT. NOV.], 2100
RUMEX PAUCIFOLIUS VAR. MINUSCULUS HOWELL 1951, 2126
RUMEX PSEUDOORBICULATUS RECHINGER 1954, 3219
RUMEX SALICIFOLIUS FORMA ECALLOSUS HOWELL 1948, 2100
RUMEX SALICIFOLIUS VAR. TRANSITORIUS (RECH.) HOWELL 1948 [STAT. NOV.], 2100
RUMEX SUBALPINA JONES 1895, 2326
RUMEX TOMENTELLUS RECHINGER 1954, 3219
RUMFORDIA CONNATA BRANDEGEE 1892, 554
RUPPIA, 3386
RUSCARIUS JORDAN & STARKS 1895, 2342
RUSCARIUS MEANYI JORDAN & STARKS 1895, 2342
RUSSELIA FURFURACEA BRANDEGEE 1905, 573

RUSSIA, 877, 1449, 2610, 2611, 2630, 3419, 3640
RUSSIA:KAMCHATKA, 3017
RUSSIAN AMERICA (FORT ROSS), 1990, 2013
RUSSIAN ZOOLOGICAL STATION AT VILLAFRANCA, 1450
RUTIDODERES CONCOLOR KEVAN 1962, 2608
RUTILARIA ERINACEUS ROSS 1976, 3315
RUTILARIA LIMONIFORMIS ROSS 1976, 3315
RYGCHIUM SUBANNULATUM BOHART 1948, 472
RYUKYU ISLANDS:OKINAWA, 1657, 3470
SABAZIA PURPUSI BRANDEGEE 1901, 568
SABINA TOTISEPTATA PALMER 1928, 3050
SABINIA ORBICULATA PALMER 1928, 3050
SABINIA VIVARI PALMER 1928, 3050
SABROSKY (CURTIS WILLIAMS), 114, 115
SACCULARIA KELLOGG 1859, 2466
SACCULARIA VEATCHII KELLOGG 1859, 2466
SACIUM HEMIPTERUM HORN 1896, 1937
SACOTHRIPS BICOLOR MOULTON 1968, 2963
SACOTHRIPS MOULTON 1968, 2963
SAGENICHTHYS MORDAX GILBERT & STARKS 1904, 1555
SALAMANDERS, 1095, 1342, 3254, 3652, 3750, 3770
SALIX COVILLEI EASTWOOD 1900, 1134
SALMO IRIDIA GIBBONS 1855, 1543, 1545
SALMO MENDOCINENSIS GIBBONS 1875, 1547
SALMONIDAE, 1568
SALMO RIVULARIS AYRES 1855, 154, 201
SALMO SELENIRIS SNYDER 1933, 3478
SALPICHROA, 3398
SALSOLA, 869
SALVIA, 2850
SALVIA CARNOSA VAR. GRACILIOR PECK 1945, 3092
SALVIA CEDROSENSIS GREENE 1885, 1636
SALVIA FLORIANA HOWELL 1935, 1981
SALVIA GREATAI BRANDEGEE 1908, 574
SALVIA HAMATA BRANDEGEE 1908, 577
SALVIA (HETEROSPHACE) CALIFORNICA BRANDEGEE 1889, 524
SALVIA PENINCULARIS BRANDEGEE 1901, 565
SALVIA RAMOSA BRANDEGEE 1908, 577
SALVIA SIMILIS BRANDEGEE 1901, 565
SALVIA ZACUAPANENSIS BRANDEGEE 1908, 577
SAMOA ISLAND, 1508
SAMOLUS VALERANDI VAR. REPENS BRANDEGEE 1891, 541
SANGUINOLARIA TOULAI HERTLEIN & JORDAN 1927, 1873
SANICULA SIMULANS HOOVER 1966, 1933
SAO TOMÉ, 981, 2356, 3105, 3115, 3735
SAPRINUS CONSOBRINUS HALL 1901, 1718
SAPRINUS LITICOLUS HALL 1901, 1718
SAPRINUS OPACUS HORN 1894, 1935
SARCODIOTHECA CUNEATA SETCHELL & GARDNER 1937, 3389
SARCODIOTHECA LINEARIS SETCHELL & GARDNER 1937, 3389
SARCODITHECA MERIDIONALIS SETCHELL & GARDNER 1937, 3389
SARCOPHAGA DEWULFI ZUMPT 1967, 4045
SARCOPHAGA FURCOIDES ZUMPT 1967, 4045
SARCOPHAGA LEECHI ZUMPT 1967, 4045
SARCOPHAGA PARALINA ZUMPT 1967, 4045
SARCOPHAGA WILLIAMSI CURRAN 1934, 913
SARCOPHAGA ZETHUS CURRAN 1936, 914
SARDINIA, 623
SARDINOPS HUBBS 1929, 2240
SARGASSUM ACINACIFOLIUM SETCHELL & GARDNER 1924, 3387
SARGASSUM BRANDEGEEI SETCHELL & GARDNER 1924, 3387
SARGASSUM BRYANTII SETCHELL & GARDNER 1924, 3387
SARGASSUM CYLINDROARPUM SETCHELL & GARDNER 1924, 3387
SARGASSUM GUARDIENSE SETCHELL & GARDNER 1924, 3387
SARGASSUM HERPORHIZUM SETCHELL & GARDNER 1924, 3387
SARGASSUM HORRIDUM SETCHELL & GARDNER 1924, 3387
SARGASSUM HOWELLII SETCHELL 1937, 3385
SARGASSUM INSULARE SETCHELL & GARDNER 1924, 3387
SARGASSUM JOHNSTONII F. GRACILE SETCHELL & GARDNER 1924, 3387
SARGASSUM JOHNSTONII F. LAXIUS SETCHELL & GARDNER 1924, 3387
SARGASSUM JOHNSTONII SETCHELL & GARDNER 1924, 3387
SARGASSUM LAPAZEANUM SETCHELL & GARDNER 1924, 3387
SARGASSUM MARCHANTAE SETCHELL & GARDNER 1924, 3387
SARGASSUM POLYACANTHUM F. AMERICANUM SETCHELL & GARDNER 1924, 3387
SARGASSUM SINICOLA SETCHELL & GARDNER 1924, 3387
SARGASSUM TEMPLETONII SETCHELL 1937, 3385
SARGASSUM ZACAE SETCHELL 1937, 3385
SARROTHRIPA COLUMBIANA EDWARDS 1873, 1279
SASAKIA QUERCUS KUWANA 1902, 2644
SAURUS LUCIOCEPS AYRES 1855, 162, 209
SAXIFRAGA, 3212
SAXIFRAGACEAE:HYDRANGEA, 2848
SAXIFRAGA MARSHALLII VAR. DIVARICATA PECK 1947, 3093
SAXIFRAGA OCCIDENTALIS VAR. WALLOWENSIS PECK 1947, 3093
SAXINIS INAEQUALIS FALL 1927, 1417
SAXINIS MICROSTRIGA FALL 1927, 1417

SAXINIS VESTIARIA FALL 1927, 1417
SCALARIA BELLASTRIATA CARPENTER 1866, 700
SCALARIA CREBRICOSTATA CARPENTER 1866, 700
SCALESIA CROCKERI HOWELL 1941, 2037
SCALESIA PEDUNCULATA INDURATA HOWELL 1941, 2037
SCALESIA PEDUNCULATA PARVIFLORA HOWELL 1941, 2037
SCALESIA PEDUNCULATA PILOSA HOWELL 1941, 2037
SCALESIA PEDUNCULATA SVENSONI HOWELL 1941, 2037
SCALEZ PETROLIA GAYLORD 1924, 1746
SCALOPS CALIFORNICUS AYRES 1855, 156, 203
SCAPHELLA (VOLUTA) ARNHEIMI RIVERS 1891, 3265
SCAPHIELLA HESPERA CHAMBERLIN 1924, 717
SCAPHIELLA LITORIS CHAMBERLIN 1924, 717
SCAPHISOMA APICALE HORN 1894, 1935
SCAPHISOMA PENINSULARE HORN 1894, 1935
SCAPHITES CONDONI ANDERSON 1902, 44
SCAPHITES GILLISI ANDERSON 1902, 44
SCAPHITES INERMIS ANDERSON 1902, 44
SCAPHITES KLAMATHENSIS ANDERSON 1902, 44
SCAPHITES PERRINI ANDERSON 1902, 44
SCAPHITES ROGUENSIS ANDERSON 1902, 44
SCAPHOIDEUS MIRUS VAN DUZEE 1925, 3804
SCAPHOIDEUS NUGAX VAN DUZEE 1925, 3804
SCAPTIA, 871
SCARITES WILLIAMSI VAN DYKE 1953, 3818
SCARTELLA ATRIMANA CLARK 1936, 755
SCARUS LEUCOSTIGMA JORDAN & EVERMANN & TANAKA 1927, 2339
SCATELLA GALAPAGENSIS CURRAN 1934, 913
SCELLUS CRINIPES VAN DUZEE 1925, 3811
SCELLUS VARIPENNIS VAN DUZEE 1925, 3811
SCELOLYPERUS CYANELLUS HORN 1895, 1936
SCELOPORUS BECKI VAN DENBURGH 1905, 3756
SCELOPORUS LICKI VAN DENBURGH 1895, 3747
SCELOPORUS MONSERRATENSIS VAN DENBURGH & SLEVIN 1921, 3791
SCELOTES MONTISPECTUS BAUER & SHITING & SADLIER 2003, 320
SCENOPINUS ALBIPILOSUS KELSEY 1971, 2599
SCENOPINUS AURANTIPALPUS KELSEY 1971, 2599
SCENOPINUS DIETRICKI KELSEY 1971, 2599
SCENOPINUS ESTESI KELSEY 1971, 2599
SCENOPINUS FOXI KELSEY 1971, 2599
SCENOPINUS JOHNSONI KELSEY 1971, 2599
SCENOPINUS RECIPROCATUS KELSEY 1971, 2599
SCENOPINUS TRANSVERSUS KELSEY 1971, 2599
SCENOPINUS VOCKEROTHI KELSEY 1971, 2599
SCEPSIS MATTHEWI EDWARDS 1873, 1279
SCHEDOPHILUS HEATHII GILBERT 1904, 1554
SCHEMBRI (ANTONIO), 219
SCHIZASTER DUMBLEI ISRAELSKY 1924, 2262
SCHIZASTER LECONTEI MERRIAM 1899, 2900
SCHIZEMBIA BRYOPHILA ROSS 2003, 3310
SCHIZEMBIA COLOMBIANA ROSS 2003, 3310
SCHIZEMBIA GUANARE ROSS 2003, 3310
SCHIZEMBIA HIRSUTA ROSS 2003, 3310
SCHIZOBOPYRINA BOMBYLIASTER WILLIAMS & BOYKO 2004, 3967
SCHIZOCOCCUS EASTWOOD, 1202
SCHIZOCOCCUS NISSENANUS (C.H. MERRIAM) EASTWOOD 1937 [COMB. NOV.], 1202
SCHIZOCOCCUS NUMMULARIUS (GRAY) EASTWOOD 1937 [COMB. NOV.], 1202
SCHIZOCOCCUS SENSITIVUS (JEPSON) EASTWOOD 1937 [COMB. NOV.], 1202
SCHIZOCOSSUS EASTWOOD 1934, 1176
SCHIZOGENIUS LITIGIOSUS HALL 1901, 1718
SCHIZOGENIUS SETICOLLIS HALL 1901, 1718
SCHIZOGENIUS VALIDUS HALL 1901, 1718
SCHIZOMIDA, 593
SCHIZOMUS SECOENSIS BRIGGS & HOM 1988, 593
SCHKUHRIA WISLIZENI FORMA FLAVA (RYDB.) BLAKE 1951 [COMB. NOV.], 444
SCHKUHRIA WISLIZENI VAR. FRUSTRATA BLAKE 1951 [NOM. NOV.], 444
SCHKUHRIA WISLIZENI VAR. GUATEMALENSIS (RYDB.) BLAKE 1951 [COMB. NOV.], 444
SCHKUHRIA WISLIZENI VAR. WRIGHTII (GRAY) MLAKE 1951 [COMB. NOV.], 444
SCHLOENABACHIA SISKIYOUENSIS ANDERSON 1902, 44
SCHLOENBACHIA BAKERI ANDERSON 1902, 44
SCHLOENBACHIA BUTTENSIS ANDERSON 1902, 44
SCHLOENBACHIA GABBI ANDERSON 1902, 44
SCHLOENBACHIA KNIGHTENI ANDERSON 1902, 44
SCHLOENBACHIA MULTICOSTA ANDERSON 1902, 44
SCHLOENBACHIA OREGONENSIS ANDERSON 1902, 44
SCHLUTERIA DIABLOENSIS ANDERSON 1902, 44
SCHOENOMYZA LISPINA NIGRICEPS HUCKETT 1966, 2248
SCHOEPFIA CALIFORNICA BRANDEGEE 1889, 524
SCHOLASTES PALMYRA CURRAN 1936, 914
SCHOLASTES SOLOMENSIS CURRAN 1936, 914
SCHOLASTES WHITNEYI CURRAN 1936, 914
SCINCUS DESERTI HAAS 1957, 1713
SCINCUS GASPERETTII HAAS 1957, 1713
SCIOPHILA NITIDA VAN DUZEE 1928, 3813
SCIRPUS, 221, 329, 330, 332, 1051, 1986, 2174
SCIRPUS AFRICANUS BEETLE 1944 [NOM. NOV.], 329
SCIRPUS AMAZONICUS BEETLE 1944 [MON. NOV.], 329
SCIRPUS MARITIMUS VAR. AGONUS (FERNALD) BEETLE 1944 [COMB. NOV.], 329
SCIRPUS MINDORENSIS BEETLE 1944 [NOM. NOV.],

329
SCIRPUS PALUDOSUS VAR. DIGYNUS (HILLEBRAND) BEETLE 1944 [COMB. NOV.], 329
SCIRPUS RUBICUNDUS (NEES) BEETLE 1944 [COMB. NOV.], 329
SCIRPUS STRIATUS (NEES) BEETLE 1944 [COMB. NOV.], 329
SCIRTES HUMERALIS HORN 1895, 1936
SCIURUS FOSSOR NIGRIPES BRYANT 1889, 635
SCLEROBUNUS NONDIMORPHICUS BRIGGS 1971, 590
SCLEROBUNUS ROBUSTUS IDAHOENSIS BRIGGS 1971, 590
SCLEROCACTUS INTERMEDIUS PEEBLES 1949, 3098
SCLEROCACTUS WHIPPLEI VAR. PYGMAEUS PEEBLES 1949, 3098
SCLERODERMA GALAPAGENSE BRUES 1919, 622
SCLEROPODIUM CESPITANS (MUELL.) KOCH 1950 [COMB. NOV.], 2618
SCLEROPOGON HAIGI WILCOX 1971, 3930
SCOLEMBIA CELATA ROSS 2003, 3310
SCOLEMBIA PENAI ROSS 2003, 3310
SCOLEMBIA ROSS 2003, 3310
SCOLEMBIINAE ROSS 2003, 3310
SCOMBER DIEGO AYRES 1856, 168, 215
SCOMBEROMORUS SIERRA JORDAN & STARKS 1895, 2333
SCOMBEROMORUS SINALOAE JORDAN & STARKS 1895 [N.N.], 2333
SCOPAEODERA CASEY 1886, 710
SCOPAEUS ARMIGER HALL 1901, 1718
SCOPAEUS ROTUNDICEPS CASEY 1886, 710
SCOPAEUS TRUNCATICEPS CASEY 1886, 710
SCORPAENA ANNOBONAE ESCHMEYER 1969, 1366
SCORPAENA ASCENSIONIS ESCHMEYER 1971, 1367
SCORPAENA LACRIMATA RANDALL & GREENFIELD 2004, 3178
SCORPAENA MYSTES JORDAN & STARKS 1895, 2333
SCORPAENA ORGILA ESCHMEYER & ALLEN 1971, 1368
SCORPAENA PARVIPINNIS GARRETT 1864, 1506
SCORPAENA PASCUENSIS ESCHMEYER & ALLEN 1971, 1368
SCORPAENA PELE ESCHMEYER & RANDALL 1975, 1374
SCORPAENIDAE, 2, 1320, 1365, 1366, 1367, 1368, 1370, 1371, 1372, 1374, 1721, 3142, 3178
SCORPAENIDAE:MINOINAE, 1369
SCORPAENIDAE:SEBASTES, 740
SCORPAENIFORMES:APLOACTINIDAE, 3140
SCORPAENODES ENGLERTI ESCHMEYER & ALLEN 1971, 1368
SCORPAENODES INSULARIS ESCHMEYER 1971, 1367
SCORPAENODES INVESTIGATORIS ESCHMEYER & RAMA RAO 1972, 1371
SCORPAENODES RUBRIVINCTUS POSS & MCCOSKER & BALDWIN 2010, 3142
SCORPAENODES SMITHI ESCHMEYER & RAMA RAO 1972, 1371
SCORPAENODES TRIBULOSUS ESCHMEYER 1969, 1365
SCORPAENOPSIS BREVIFRONS ESCHMEYER & RANDALL 1975, 1374
SCORPAENOPSIS ESCHMEYERI RANDALL & GREENFIELD 2004, 3178
SCORPIONFISH, 2, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374
SCORPIONIDA:DIPLOCENTRIDAE, 3984
SCORPIONIDAE, 1897, 2866, 3975
SCORPIONIDAE:DIPLOCENTRIDAE, 3508, 3981
SCORPIONIDAE:VAEJOVIDAE, 3972, 3973, 3976, 3978, 3979, 3980, 3981, 3982, 3983
SCORPIONS, 592, 1897, 3149, 3507, 3508, 3972, 3973, 3974, 3975, 3976, 3977, 3978, 3979, 3980, 3981, 3982, 3983, 3984
SCORZONELLA BOLANDERI GREENE 1886, 1639
SCORZONELLA HOWELLII GREENE 1886, 1639
SCORZONELLA MEGACEPHALA GREENE 1886, 1639
SCORZONELLA MONTANA GREENE 1886, 1639
SCORZONELLA PALUDOSA GREENE 1886, 1639
SCORZONELLA PRATENSIS GREENE 1886, 1639
SCORZONELLA PROCERA GREENE 1886, 1639
SCORZONELLA SCAPIGERA GREENE 1886, 1639
SCORZONELLA SYLVATICA GREENE 1886, 1639
SCOTOLEON CONGENER BANKS 1942, 262
SCOTT JR. (DAVID BURNET), 113
SCRIBNERIA, 880
SCRIPPSECHINUS ALLISON, DURHAM & MINTZ 1967, 25
SCRIPPSECHINUS FISHERI ALLISON, DURHAM & MINTZ 1967, 25
SCRIPPS INSTITUTION, 3175
SCRUPOCELLARIA CALIFORNICA TRASK 1857, 3685, 3703
SCURRIA (?) FUNICULATA CARPENTER 1866, 700
SCUTELLA CAZONESENSIS DICKERSON & KEW 1917, 1063
SCUTELLA GIBBSII RÉMOND 1863, 3225
SCUTELLA INTERLINEATA WP BLAKE, 3225
SCUTELLARIA NANA VAR. SAPPHIRINA BARNEBY 1947, 286
SCYMNUS DENTIPES HALL 1901, 1718
SCYMNUS GUADALUPENSIS BLAISDELL 1925, 408
SCYMNUS MEGACEPHALUS HALL 1901, 1718
SCYMNUS MIMUS HALL 1901, 1718
SCYMNUS TAEDATUS HALL 1901, 1718
SCYTALINA CERDALE JORDAN & STARKS 1895, 2342
SCYTHRIS DIVARICATA BRAUN 1923, 579
SCYTODES MEXICANUS BANKS 1898, 259

SCYTODES PERFECTA BANKS 1898, 259
SCYTODES PNOEITENS CHAMBERLIN 1924, 717
SCYTODES REDEMPTA CHAMBERLIN 1924, 717
SCYTODES SOCIALIS MILLER 2006, 2919
SCYTONEMA GUYENSE MARINUM SETCHELL & GARDNER 1937, 3389
SCYTOSIPHON BULLOSUS SAUNDERS 1898, 3357
SEA LIONS, 2667, 3040, 3041, 3144
SEALS, 1032, 2668, 3143, 3172
SEBASTES ELONGATUS AYRES 1859, 169, 171
SEBASTES HELVOMACULATUS AYRES 1859, 169, 171
SEBASTES NEBULOSUS AYRES 1854, 136, 183
SEBASTES NIGROCINCTUS AYRES 1859, 169
SEBASTES PAUCISPINIS AYRES 1854, 136, 183
SEBASTES PEDUNCULARIS CHEN 1975, 740
SEBASTES RUBER AYRES 1854, 137, 178, 184
SEBASTES RUBER VAR. PARVUS AYRES 1854, 137, 184
SEBASTES SPINORBIS CHEN 1975, 740
SEBASTES VARIABILIS AYRES 1854, 137, 184
SEBASTES VARISPINIS CHEN 1975, 740
SEBASTIANA MEXICANA BRANDEGEE 1905, 573
SEBASTIDAE, 2866
SEBASTOCARUS JORDAN & EVERMANN 1927, 2348
SEBASTODES AEREUS C.H.EIGENMANN & R.S.EIGENMANN 1890, 1320
SEBASTODES DARWINI CRAMER 1896, 2334
SEBASTODES EIGENMANNI CRAMER 1896, 2334
SEBASTODES EOS C.H.EIGENMANN & R.S.EIGENMANN 1890, 1320
SEBASTODES FLAVIDUS AYRES 1863, 179
SEBASTODES GILBERTI CRAMER 1896, 2334
SEBASTODES GOODEI C.H.EIGENMANN & R.S.EIGENMANN 1890, 1320
SEBASTODES MELANOSTOMUS C.H.EIGENMANN & R.S.EIGENMANN, 1320
SEBASTODES OVALIS AYRES 1863, 179
SEBASTODES RUFUS C.H.EIGENMANN & R.S.EIGENMANN 1890, 1320
SEBASTODES SERRANOIDES EIGENMANN 1890, 1321
SEBASTOPYR JORDON & EVERMANN 1927, 2348
SECOTIUM NUBIGENUM HARKNESS 1885, 1776
SEDUM, 2950
SEDUM BLOCHMANAE EASTWOOD 1896, 1123
SEDUM CONGDONI EASTWOOD 1898, 1125
SEDUM GERTRUDIANUM EASTWOOD 1931, 1146
SEGESTRIA DANZANTICA CHAMBERLIN 1924, 717
SELENEOPS ACTOPHILUS CHAMBERLIN 1924, 717
SELENEPHORUS WENMANI VAN DYKE 1953, 3818
SELENOPS NESOPHILUS CHAMBERLIN 1924, 717
SEMELE DIABOLI DICKERSON 1915, 1057
SEMELE INCUNGRUA CARPENTER 1865, 700
SEMELE MORANI ANDERSON & MARTIN 1914, 53
SEMELE VERRUCULASTRA KEEN 1966, 2410
SEMICONCHULA BREEDLOVEI NARANJO-GARCIA 2003, 2996
SENECIO, 268, 898, 1923, 2886
SENECIO AMMOPHILUS GREENE 1885, 1636
SENECIO AUSTINAE GREENE 1885, 1634
SENECIO BIVESTITUS CRONQUIST 1950, 902
SENECIO CEDROSENSIS GREENE 1885, 1636
SENECIO CLEVELANDII VAR. HETEROPHYLLUS HOOVER 1938, 1916
SENECIO INTEGERRIMUS VAR. EXALTATUS (NUTT.) CRONQUIST 1950 [COMB. NOV.], 902
SENECIO INTEGERRIMUS VAR. OCHROLEUCUS (GRAY) CRONQUIST 1950 [COMB. NOV.], 902
SENECIO INTEGERRIMUS VAR. SCRIBNERI (RYDB.) BARKLEY 1960 [COMB. NOV.], 268
SENECIO LEWISROSEI HOWELL 1942, 2041
SENECIO NEOWEBSTERI BLAKE 1957 [NOMEN. NOV.], 446
SENECIO PATTERSONENSIS HOOVER 1947 [NOM. NOV.], 1923
SENECIO REVOLUTUS HOOVER 1943, 1920
SENECIO SPATULIFOLIA KELLOGG 1855, 2430, 2541
SENECIO SPECULICOLA HOWELL 1944 [NOM. NOV.], 2068
SEPTIFER ELEGANS WARING 1917, 3858
SEPTOGLEUM DEFOLIANS HARKNESS 1885, 1774
SEPTOGLEUM FRAXINI HARKNESS 1884, 1773
SEPTOGLEUM MACULANS HARKNESS 1884, 1773
SEPTOGLEUM NUTTALLII HARKNESS 1884, 1773
SEPTORIA HOSACKIAE HARKNESS 1884, 1773
SEPTORIA LUPINI HARKNESS 1884, 1773
SEPTORIA WYETHIAE HARKNESS 1884, 1773
SEQUOIA, 1042, 3101
SERGIOLUS ATOMISTICUS CHAMBERLIN 1924, 717
SERICA ENSENADA SAYLOR 1948, 3360
SERICA MICHELBACHERI SAYLOR 1948, 3360
SERICA PILIFERA HORN 1894, 1935
SERICA ROSSI SAYLOR 1948, 3360
SERICA SERENSIA SAYLOR 1948, 3360
SERICOPHORUS ALBITARSIS LOMHOLDT 2010, 2761
SERICOPHORUS AMBONENSIS PULAWSKI 2010, 2761
SERICOPHORUS ARGENTIFACIES LOMHOLDT 2010, 2761
SERICOPHORUS ARRERNTE PULAWSKI 2010, 2761
SERICOPHORUS AURIFRONS LOMHOLDT 2010, 2761
SERICOPHORUS AXILLARIS LOMHOLDT 2010, 2761
SERICOPHORUS BARAKULA PULAWSKI 2010, 2761
SERICOPHORUS BICELLULARIS PULAWSKI 2010, 2761
SERICOPHORUS CARDALEAE LOMHOLDT 2010, 2761
SERICOPHORUS CENTRALIS PULAWSKI 2010, 2761
SERICOPHORUS CHRYSOPHORUS PULAWSKI 2010,

2761
SERICOPHORUS CONFUSUS LOMHOLDT 2010, 2761
SERICOPHORUS CORNUTUS LOMHOLDT 2010, 2761
SERICOPHORUS DESERTICOLA PULAWSKI 2010, 2761
SERICOPHORUS EVANSI LOMHOLDT 2010, 2761
SERICOPHORUS FISSUS LOMHOLDT 2010, 2761
SERICOPHORUS FLAVIPES PULAWSKI 2010, 2761
SERICOPHORUS FLAVORUFONIGER PULAWSKI 2010, 2761
SERICOPHORUS F.SMITH 1851, 2761
SERICOPHORUS GENALIS PULAWSKI 2010, 2761
SERICOPHORUS GLAUCUS PULAWSKI 2010, 2761
SERICOPHORUS GLOSSATUS LOMHOLDT 2010, 2761
SERICOPHORUS GLYPTUS PULAWSKI 2010, 2761
SERICOPHORUS HALLI LOMHOLDT 2010, 2761
SERICOPHORUS HOUSTONI LOMHOLDT 2010, 2761
SERICOPHORUS KARRATHENSIS PULAWSKI 2010, 2761
SERICOPHORUS KURANDAE PULAWSKI 2010, 2761
SERICOPHORUS LATICEPS LOMHOLDT 2010, 2761
SERICOPHORUS LISSONOTUS LOMHOLDT 2010, 2761
SERICOPHORUS MACULATUS PULAWSKI 2010, 2761
SERICOPHORUS MANDIBULARIS LOMHOLDT 2010, 2761
SERICOPHORUS MESOPLEURALIS PULAWSKI 2010, 2761
SERICOPHORUS MIMUS PULAWSKI 2010, 2761
SERICOPHORUS MINYS PULAWSKI 2010, 2761
SERICOPHORUS MULTIPICTUS PULAWSKI 2010, 2761
SERICOPHORUS NASICORNIS LOMHOLDT 2010, 2761
SERICOPHORUS NASUTUS PULAWSKI 2010, 2761
SERICOPHORUS NIGRESCENS LOMHOLDT 2010, 2761
SERICOPHORUS NIGRIPES LOMHOLDT 2010, 2761
SERICOPHORUS NITIDUS PULAWSKI 2010, 2761
SERICOPHORUS PAPUANUS PULAWSKI 2010, 2761
SERICOPHORUS PECTINATUS LOMHOLDT 2010, 2761
SERICOPHORUS POLITUS LOMHOLDT 2010, 2761
SERICOPHORUS PROTRUDENS LOMHOLDT 2010, 2761
SERICOPHORUS PUNCTATUM PULAWSKI 2010, 2761
SERICOPHORUS RIPARIUS PULAWSKI 2010, 2761
SERICOPHORUS RUFICOLLIS LOMHOLDT 2010, 2761
SERICOPHORUS RUFITHORAX LOMHOLDT 2010, 2761
SERICOPHORUS RUFUS PULAWSKI 2010, 2761
SERICOPHORUS SABULOSUS LOMHOLDT 2010, 2761
SERICOPHORUS SANGUINEUS LOMHOLDT 2010, 2761
SERICOPHORUS SCINTILLANS PULAWSKI 2010, 2761
SERICOPHORUS SETULOSUS LOMHOLDT 2010, 2761
SERICOPHORUS SPARSUS PULAWSKI 2010, 2761
SERICOPHORUS SUBALARIS LOMHOLDT 2010, 2761
SERICOPHORUS TIBIALIS PULAWSKI 2010, 2761
SERICOPHORUS TRIANGULARIS LOMHOLDT 2010, 2761
SERICOPHORUS TRICHOCEPHALUS PULAWSKI 2010, 2761
SERICOPHORUS VICARIUS LOMHOLDT 2010, 2761
SERICOPHORUS VIRIDESCENS LOMHOLDT 2010, 2761
SERICOPHORUS WHEELERI LOMHOLDT 2010, 2761
SERICOPHORUS XANTHOGASTER LOMHOLDT 2010, 2761
SERICOPHORUS XANTHOMELAS PULAWSKI 2010, 2761
SERICUS RUGOSUS VAN DYKE 1932, 3816
SERIOLA COLBURNI EVERMANN & CLARK 1928, 1399
SERIPHUS AYRES 1861, 174
SERIPHUS POLITUS AYRES 1861, 174
SEROLIS CARINATUS LOCKINGTON 1877, 2750
SERPENTES:BOIDAE, 3774
SERPENTES:COLUBRIDAE, 266, 488, 2257, 2691, 2703, 2709, 2710, 3420, 3428, 3437, 3773, 3792
SERRASALMINAE, 1595
SERTULARIA ANGUINA TRASK 1857, 3685, 3703
SERTULARIA FURCATA TRASK 1857, 3685, 3703
SERTULARIA TURGIDA TRASK 1857, 3685, 3703
SESUVIUM EASTWOODIANUM HOWELL 1966, 2230
SETARIA CALIFORNICA KELLOGG 1855, 2417, 2528
SEYCHELLES ISLANDS, 1079, 2268
SHARKS, 142, 165, 189, 213, 793, 794, 795, 796, 1047, 1322, 1803, 1810, 2244, 2337, 2868, 3634, 3708
SHELL MOUNDS, 3183, 3529
SHERARDIA, 3127
SHEWELL (GUY EADEN), 111
SHIPS, 600, 601
SHIP WORMS, 217
SIALIA MEXICANA ANABELAE ANTHONY 1889, 80
SIBARA, 2055
SIBERIA, 1717, 3715
SIBERIA:LAKE BAIKAL, 2611
SICUS CILIATUS VAN DUZEE 1927, 3812
SIDA, 2373, 2385
SIDALCEA ASPRELLA GREENE 1885, 1634
SIDALCEA CAMPESTRIS GREENE 1885, 1634
SIDALCEA GLAUCESCENS GREENE 1885, 1634
SIDALCEA SPICATA GREENE 1885, 1634
SIDALCEA TENELLA GREENE 1884, 1633
SIDA LONGIFOLIA BRANDEGEE 1905, 573

SIDA NESOGENA JOHNSTON 1931, 2314
SIDA SALVIAEFOLIA VAR. SUBMUTICA HOWELL 1952, 2372
SIGARETUS COSTATUS COOPER 1896, 863
SIKKIM, 784
SILENE DORRII KELLOGG 1863, 2516
SILICOFLAGELLATES, 2817, 2818, 2819, 2820, 2821
SILICOSIGMOILINA CALIFORNICA CUSHMAN & CHURCH 1929, 924
SILICOSIGMOILINA CUSHMAN & CHURCH 1929, 924
SILIS ABRUPTA GREEN 1966, 1631
SILIS ABSTRUSA GREEN 1966, 1631
SILIS ACUTA GREEN 1966, 1631
SILIS ANGELICA GREEN 1966, 1631
SILIS ANGULATA GREEN 1966, 1631
SILIS ARIDA GREEN 1966, 1631
SILIS BARRI GREEN 1966, 1631
SILIS CARMELITA GREEN 1966, 1631
SILIS CONSTRICTA GREEN 1966, 1631
SILIS CRUCIALIS GREEN 1966, 1631
SILIS DENTIGERA GREEN 1966, 1631
SILIS DIFFICILIS OCCIDENS GREEN 1966, 1631
SILIS DISJUNCTA GREEN 1966, 1631
SILIS DIVARICATA GREEN 1966, 1631
SILIS EGREGIA GREEN 1966, 1631
SILIS EMARGINATA GREEN 1966, 1631
SILIS EXIMIA GREEN 1966, 1631
SILIS FABULOSA GREEN 1966, 1631
SILIS FENDERI GREEN 1966, 1631
SILIS HOWDENI GREEN 1966, 1631
SILIS INCONGRUA GREEN 1966, 1631
SILIS INSOLITA GREEN 1966, 1631
SILIS INSPERATA GREEN 1966, 1631
SILIS INTROVERSA GREEN 1966, 1631
SILIS KNULLI GREEN 1966, 1631
SILIS LASSENI GREEN 1966, 1631
SILIS LATESTYLA GREEN 1966, 1631
SILIS LOBATA GREEN 1966, 1631
SILIS MACCLAYI GREEN 1966, 1631
SILIS MONTANICA GREEN 1966, 1631
SILIS NEVADICA GREEN 1966, 1631
SILIS OREGONENSIS GREEN 1966, 1631
SILIS PARALLELA GREEN 1966, 1631
SILIS PERFOLIATA GREEN 1966, 1631
SILIS PROTRACTA GREEN 1966, 1631
SILIS PROXIMA GREEN 1966, 1631
SILIS RECTA GREEN 1966, 1631
SILIS REVERSA GREEN 1966, 1631
SILIS SIMULATA GREEN 1966, 1631
SILIS SINGULARIS GREEN 1966, 1631
SILIS SOLITARIA GREEN 1966, 1631
SILIS STRATELLA GREEN 1966, 1631
SILIS SUBTRUNCTA 1966, 1631
SILIS TARDELLA GREEN 1966, 1631
SILIS TENUATA GREEN 1966, 1631
SILIS THERMALIS GREEN 1966, 1631
SILIS TRIPLICATA GREEN 1966, 1631
SILIS URSINA GREEN 1966, 1631
SILIS VANDYKEI GREEN 1966, 1631
SILPHA AENESCENS CASEY 1886, 710
SILURIAN, 1898, 3911, 3923
SILURICHTHYS SANGUINEUS ROBERTS 1989, 3279
SILURIFORMES, 1427
SILURIFORMES:CETOPSIDAE, 1426
SILURIFORMES:SILURIDAE, 1811, 3282
SILVANUS TROPICALIS VAN DYKE 1953, 3818
SILVER, 765, 1102
SILVESTRIELLUS SCHLINGERI COSCARON & PHILIP 1979, 870
SIMANTHEDON LINSLEYI ZAVORTINK 1975, 4028
SIMANTHEDON ZAVORTINK 1975, 4028
SIMMONDSIA PABULOSA KELLOGG 1859, 2468
SIMPSON (GEORGE GAYLORD), 2661
SINDOSCOPUS DAWSON 1977, 1040
SINEA UNDULATA UHLER 1894, 3728
SINGA MOESTA BANKS 1898, 259
SINUM CORYLIFORME ANDERSON & HANNA 1925, 51
SINUM DICKERSONI WARING 1917, 3858
SIPHOCORYNE BICAUDATA ESSIG & KUWANA 1918, 1376
SIPHOCORYNE JAPONICA ESSIG & KUWANA 1918, 1376
SIPHO HALLII DALL 1873, 944
SIPHONALIA BICARINATA DICKERSON 1915, 1057
SIPHONALIA CLARKI DICKERSON 1914, 1055
SIPHONALIA PHOSOIDEA HANNA & ISRAELSKY 1925, 1753
SIPHONALIA POSOENSIS ANDERSON & MARTIN 1914, 53
SIPHONALIA TULARENSIS ANDERSON & HANNA 1925, 51
SIPHONAPTERA, 1903, 2737
SIPHONARIA BRANNANI STEARNS 1873, 3534
SIPHONOCLADUS PUSILLOIDES SETCHELL & GARDNER 1930, 3388
SIPHONOPHORA PSEUSTES CHAMBERLIN 1923, 716
SIPHOSTOMA SINALOAE JORDAN & STARKS 1896, 2343
SIPHOSTOMA STARKSII JORDAN & CULVER 1895, 2333
SIRENIA, 2590
SIRIELLA PACIFICA HOLMES 1900, 1908
SISENES CHAMPIONI HORN 1894, 1935
SISTRUM CRETACEUM COOPER 1896, 863
SISYMBRIUM KEARNEYI ROLLINS 1953, 3291
SISYMBRIUM REFLEXUM KELLOGG 1861, 2486
SISYRINCHIUM CERNUUM (BICKNELL) KEARNEY 1949 [COMB. NOV.], 2369
SISYRINCHIUM FLAVIDUM KELLOGG 1860, 2479
SITALCINA BIFURCATA BRIGGS 1968, 589

SITALCINA BORREGOENSIS BRIGGS 1968, 589
SITALCINA CATALINA UBIC & BRIGGS 2008, 3727
SITALCINA ENSATA BRIGGS 1968, 589
SITALCINA FLAVA BRIGGS 1968, 589
SITALCINA FLAVA CHALONA BRIGGS 1968, 589
SITALCINA GRANITA BRIGGS 1968, 589
SITALCINA KEENEA BRIGGS 1968, 589
SITALCINA MACULA BRIGGS 1968, 589
SITALCINA MADERA BRIGGS 1968, 589
SITALCINA MARIPOSA BRIGGS 1968, 589
SITALCINA MORROENSIS BRIGGS 1968, 589
SITALCINA PALAPRAEPUTIA BRIGGS 1968, 589
SITALCINA PEACHEYI UBICK & BRIGGS 2008, 3727
SITALCINA PIEDRA BRIGGS 1968, 589
SITALCINA POLINA BRIGGS 1968, 589
SITALCINA ROTHI UBICK & BRIGGS 2008, 3727
SITALCINA SCOPULA BRIGGS 1968, 589
SITALCINA SECA UBICK & BRIGGS 2008, 3727
SITALCINA SIERRA BREVA BRIGGS 1968, 589
SITALCINA TOPANGA BRIGGS 1968, 589
SITALCINA YOSEMITENSIS BRIGGS 1968, 589
SITTA PYGMAEA LEUCONUCHA ANTHONY 1889, 80
SITTICUS SYNOPTICUS CHAMBERLIN 1925, 718
SKATES, 1810
SKENEA CARMELENSIS SMITH & GORDON 1948, 3449
SKYUS PENINSULARIS BRANDEGEE 1901, 568
SMELOWSKIA OVALIS JONES 1895, 2326
SMERINTHOTHRIPS FUSCIPENNIS MOULTON 1968, 2963
SMICRUS AMERICANUS CASEY 1886, 710
SMILIA REVERSA HALL 1901, 1718
SMINTHURUS LONGICORNIS SCHÖTT 1896, 3370
SMITH (CHARLES PIPER), 2158
SMITHSONIAN INSTITUTION, 19, 2629, 3625, 4023
SMODICUM PACIFICUM PENINSULARE LINSLEY 1942, 2736
SNAKES, 266, 487, 488, 669, 1644, 2257, 2690, 2691, 2702, 2703, 2707, 2709, 2710, 2712, 2713, 2752, 2833, 2924, 2984, 3366, 3420, 3428, 3437, 3745, 3751, 3760, 3763, 3773, 3774, 3776, 3777, 3780, 3785, 3790, 3792, 3786, 3793
SNAKES (VENOMOUS), 2713
SNYDERINA JORDAN & SNYDER 1900, 2344
SNYDERINA YAMANOKAMI JORDAN & SNYDER 1900, 2344
SOCIETIES, 2316
SOCORRO ISLAND, 578
SOCOTRA ISLAND, 3054
SODERSTROMIA MEXICANA (SCRIBNER) MORTON 1966 [COMB. NOV.], 2959
SODERSTROMIA MORTON [NOM. NOV.], 2959
SOGATA PLACITA VAN DUZEE 1937, 3806, 3807
SOGATELLA FENNAH 1956, 1423
SOLANUM, 1239, 3076
SOLANUM OBISPOENSE EASTWOOD 1934, 1177
SOLARIAXIS TEMPLETONI WARING 1917, 3858
SOLARIELLA ENAMELLATA ANDERSON & HANNA 1925, 51
SOLARIELLA PERAMABILIS CARPENTER 1864, 698
SOLEN NOVACULA ANDERSON & HANNA 1925, 51
SOLENOSTEIRA HASLETTI ANDERSON 1929, 50
SOLENOSTEIRA SANTAEROSAE ANDERSON 1929, 50
SOLERELLA LEVIS WILLIAMS 1950, 3945
SOLIDAGO ELONGATA VAR. MICROCEPHALA KELLOGG 1873, 2569
SOLIERELLA ABDOMINALIS WILLIAMS 1950, 3945
SOLIERELLA ARCUATA WILLIAMS 1950, 3945
SOLIERELLA AUSTRALIS WILLIAMS 1950, 3945
SOLIERELLA BICOLOR WILLIAMS 1950, 3945
SOLIERELLA BOHARTI WILLIAMS 1950, 3945
SOLIERELLA BRIDWELLI WILLIAMS 1950, 3945
SOLIERELLA CALIFORNICA WILLIAMS 1950, 3945
SOLIERELLA CLYPEATA WILLIAMS 1950, 3945
SOLIERELLA CORIZI WILLIAMS 1950, 3945
SOLIERELLA LASSENI WILLIAMS 1950, 3945
SOLIERELLA NITENS WILLIAMS 1950, 3945
SOLIERELLA SONORAE WILLIAMS 1950, 3945
SOLIERELLA TIMBERLAKEI WILLIAMS 1950, 3945
SOLIERELLA VANDYKEI WILLIAMS 1950, 3945
SOLIVA, 879
SOLOCISQUAMA BRADBURY 1999, 494
SOLOCISQUAMA CARINATA BRADBURY 1999, 494
SOLOMON ISLANDS, 1033, 1657, 3953
SOMALIA, 3054
SOMALILAND, 3054
SONNERATIA STANTONI ANDERSON 1902, 44
SONOMA CASEY 1886, 710
SONOMA CAVIFRONS CASEY 1887, 711
SONOMA CORTINCINA CASEY 1887, 711
SONORAN DESERT, 134
SOPHORA PURPUSI BRANDEGEE 1908, 575
SORYGAZA VARIATA HAYES 1975, 1804
SOSIPPUS PRAGMATICUS CHAMBERLIN 1924, 717
SOUTH AFRICA, 318, 320, 979, 1503, 3080, 3163, 3951, 3964, 3966
SOUTH AMERICA, 38, 48, 49, 50, 56, 683, 871, 872, 873, 1045, 1069, 1317, 1318, 1319, 1375, 1405, 1416, 1426, 1471, 1472, 1502, 1595, 1753, 2383, 2384, 2385, 2651, 2665, 2743, 2908, 2940, 2989, 2990, 3079, 3088, 3089, 3129, 3162, 3256, 3294, 3308, 3309, 3310, 3859, 3918
SOUTH ASIA, 1428
SOUTH CAROLINA, 2334
SOUTHEAST ASIA, 1811, 2257, 3276, 3312
SOUTH PACIFIC, 1508, 1646, 1648, 2863, 3178, 3181, 3471, 3958
SOUTHWEST ASIA, 64, 2706, 3055, 3161
SOUTHWEST PACIFIC, 608, 1033
SPAIN, 1612
SPANISH EXPEDITIONS, 1027
SPARGANIUM CALIFORNICUM GREENE 1884, 1633

SPARGANOPHILUS BENHAMI EISEN 1896, 1340
SPARGANOPHILUS CARNEUS EISEN 1896, 1340
SPARGANOPHILUS GUATEMALENSIS EISEN 1896, 1340
SPARGANOPHILUS SMITHI EISEN 1896, 1340
SPARGANOPHILUS SONOMAE EISEN 1896, 1340
SPATOGLOSSUM HOWELLII SETCHELL & GARDNER 1937, 3389
SPECIATION, 2841
SPECIES CONCEPTS, 1052, 1899
SPECIES DESCRIPTIONS, 1811, 2278
SPECULARIA RARIFLORA (NUTT.) MCVAUGH 1941 [COMB. NOV.], 2890
SPELEODISCOIDES SMITH 1957, 3441
SPELEODISCOIDES SPIRELLUM SMITH 1957, 3441
SPERATA, 1428
SPERATA ACICULARIS FERRARIS & RUNGE 1999, 1428
SPERMATOBIUM ECLIPIDRILI EISEN 1895, 1338
SPERMATOBIUM EISEN 1895, 1338
SPERMOPHAGUS SEMICINCTUS HORN 1894, 1935
SPERMOPHILUS GRAMMURUS ATRICAPILLUS BRYANT 1889, 635
SPHACELARIA BREVICORNE SETCHELL & GARDNER 1924, 3387
SPHACELARIA DIDICHOTOMA SAUNDERS 1898, 3357
SPHACELARIA MASONII SETCHELL & GARDNER 1930, 3388
SPHACELE GRACILIS EASTWOOD 1900, 1134
SPHAERALCEA HAINESII BRANDEGEE 1889, 524
SPHAERALCEA MARGARITAE BRANDEGEE 1901, 568
SPHAERCALCEA FENDLERI CALIFORNICA PARISH 1900, 3075
SPHAERIA (HYPOCREA) SETCHELLII HARKNESS 1899, 1789
SPHAERICOTHRIPS MOULTON 1968, 2963
SPHAERIUM COOPERIANUM PRIME IN COOPER 1890, 850
SPHAERIUM CYNODON HANNA 1923, 1726
SPHAERIUM PARVIUM YEN 1948, 4020
SPHAERIUM RAYMONDI COOPER 1890, 850
SPHAEROCERA GALAPAGENSIS CURRAN 1934, 913
SPHAEROMA OLIVACEA LOCKINGTON 1877, 2751
SPHAEROMIMUS INEXPECTATUS WESENER & SIERWALD 2005, 3880
SPHAEROMIMUS SPLENDIDUS WESENER & SIERWALD 2005, 3880
SPHAEROPATHALMA SCABER FOX 1894, 1465
SPHAEROPHTHALMA ERECTA FOX 1894, 1465
SPHAEROPHYSA, 1200
SPHAEROTHECA LANESTRIS HARKNESS 1884, 1773
SPHAEROTHRIPS CLARAPENNIS MOULTON 1968, 2963
SPHEGINA PUNCTATA COLE 1921, 789
SPHENOMORPHUS BOULENGERI VAN DENBURGH 1912, 3767
SPHENOMORPHUS INDICUS FORMOSENSIS VAN DENBURGH 1912, 3767
SPHENOPHORUS TARDUS HALL 1901, 1718
SPHENOTHECUS BASALIS HORN 1894, 1935
SPHINGINUS MEXICANUS MARSHALL 1951, 2827
SPHINX OREODAPHNE EDWARDS 1873, 1277
SPHINX PERELEGANS EDWARDS 1873, 1277
SPHINX VANVOUVERENSIS EDWARDS 1873, 1277
SPHYNCTOLETHUS HANNA 1927, 1734
SPHYNCTOLETHUS MONTROSUS HANNA 1927, 1734
SPICAPHIS ESSIG 1953, 1375
SPICAPHIS MICHELBACHERI ESSIG 1953, 1375
SPIDERS, 719, 1671, 1673, 1676, 3267, 3857, 4021
SPILOGONA FULVIPOLLINOSA COURI & PONT & PENNY 2006, 875
SPILOSOMA PTERIDIS EDWARDS 1874, 1280
SPINOLIELLA EQUINA COCKERELL 1925, 776
SPINOLIELLA SCUTELLARIS PENINSULARIS COCKERELL 1923, 774
SPINOLIELLA TRIANGULIFERA COCKERELL 1925, 776
SPINULOSA:PTERASTERIDAE, 743
SPIREMBOLUS PERJUCUNDUS CROSBY 1925, 718
SPIREMBOLUS SYNOPTICUS CROSBY 1925, 718
SPIRICOELOTES PSEUDOZONATUS WANG 2003, 3857
SPIRONTOCARIS BISPINOSUS HOLMES 1900, 1908
SPISULA AQUILATERALIS WARING 1917, 3858
SPISULA BISCULPTURATA ANDERSON & HANNA 1925, 51
SPLANCHONOMYCES BEHRII HARKNESS 1884, 1773
SPOGOSTYLUM ARGENTATUM COLE 1919, 788
SPONDYLUS CARLOSENSIS ANDERSON 1905, 45
SPOROPHAGA CYANEA HARKNESS 1899, 1789
SPOROPHAGA HARKNESS 1899, 1789
SPRAGUEA PANICULATA KELLOGG 1862, 2506
SPRAGUEA PULCHERRIMA HELLER 1940, 1816
SQUALIOBARBUS JORDANI EVERMANN & SHAW 1927, 1400
SQUALIS LEMMONI SMITH 1884, 3468
SQUALODON ERRABUNDUS KELLOGG 1931, 2590
SQUAMATA:AGAMIDAE, 66, 3372, 3834
SQUAMATA:DIPLODACTYLIDAE, 316
SQUAMATA:EUBLEPHARIDAE, 63
SQUAMATA:GEKKONIDAE, 313, 314, 315, 317, 318, 606, 619, 1072, 2705, 2983, 3055
SQUAMATA:LACERTIDAE, 65, 3185, 3186
SQUAMATA:SCINCIDAE, 64, 320, 607, 617, 618, 620, 1571, 3348
SQUAMATA:SCINCIDAE:EMOIA, 617
SQUAMATA:SCINCIDAE:FEYLININAE, 598
SQUAMATA:VIPERIDAE, 487

SQUATINA CALIFORNICA AYRES 1859, 169, 171
STACHYS ACUMINATA GREENE 1887, 1642
STANFORD UNIVERSITY, 3375
STANLEYA ALBESCENS JONES 1891, 2319
STANLEYA ELATA JONES 1891, 2319
STAPHANOMERIA HALEYI EASTWOOD 1937, 1203
STAPHYLEA GENICULATA KELLOGG 1859, 2469
STAPHYLINUS LUCANUS HORN 1894, 1935
STATISTICS, 3899
STAURASTRUM BRASILIENSE VAR. TRIQUETRUM WILLE 1887, 3997
STEATODA MAINLINGOIDES YIN & GRISWOLD & BAO & XU 2003, 4021
STEATODA PARDALIA YIN & GRISWOLD & BAO & XU 2003, 4021
STEATODA TORTOISEA YIN & GRISWOLD & BAO & XU 2003, 4021
STEGANOPSIS CERES CURRAN 1936, 914
STEGANOPSIS SOLOMENSIS CURRAN 1936, 914
STEGOPHILUS INTERMEDIUS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
STEINDACHNERIA AMBLYURUS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
STEINDACHNERIA C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
STEINDACHNERIA DOCEANA C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
STEINHART AQUARIUM, 2865
STELIDOTA INSULARIS VAN DYKE 1953, 3818
STELIS CALLURA COCKERELL 1925, 776
STELIS FREMONTI COCKERELL 1925, 776
STELLARIA, 2052, 3650
STEMODIA POLYSTACHYA BRANDEGEE 1889, 524
STENELMIS NUBIFER HALL 1901, 1718
STENIOLIA DISSIMILIS FOX 1923, 1462
STENIOLLIA MERIDIONALIS FOX 1923, 1462
STENOBRACHIUS C.H.EIGENMANN & R.S.EIGENMANN 1890, 1320
STENODACTYLUS ARABICUS HAAS 1957, 1713
STENODACTYLUS LEPTOCOSYMBOTES LEVITON & ANDERSON 1967, 2702
STENODACTYLUS SLEVINI HAAS 1957, 1713
STENODONTES DASYTOMUS SOCORRENSIS LINSLEY & CHEMSAK 1966, 2740
STENODONTES MOLARIUS GLABRATUS LINSLEY & CHEMSAK 1966, 2738
STENODONTES MOLARIUS VANDYKEI LINSLEY & CHEMSAK 1966, 2738
STENODYNERUS DECLIVATUS BOHART 1948, 472
STENODYNERUS NOTICEPS NOTICEPS BOHART 1948, 472
STENODYNERUS VALLICEPS BOHART 1948, 472
STENODYNERUS VANDUZEEI BOHART 1948, 472
STENOMORPHA TUMIDICOLLIS BLAISDELL 1943, 410
STENOPOGON ADELANTAE WILCOX 1971, 3930
STENOPOGON ALBALULUS MARTIN 1968, 2829
STENOPOGON ANTONIAE WILCOX 1971, 3930
STENOPOGON ARNAUDI MARTIN 1968, 2829
STENOPOGON BAKERI WILCOX 1971, 3930
STENOPOGON BARTONAE WILCOX 1971, 3930
STENOPOGON BLAISDELLI WILCOX 1971, 3930
STENOPOGON BROMLEYI WILCOX 1971, 3930
STENOPOGON BROOKMANI WILCOX 1971, 3930
STENOPOGON COLIMAE MARTIN 1968, 2829
STENOPOGONDIABLAE WILCOX 1971, 3930
STENOPOGON DOROTHYAE MARTIN 1968, 2829
STENOPOGON ELIZABETHAE MARTIN 1968, 2829
STENOPOGON ENGLANDI WILCOX 1971, 3930
STENOPOGON FIGUEROAE WILCOX 1971, 3930
STENOPOGON FLAVOTIBIALIS MARTIN 1968, 2829
STENOPOGON GALBINUS MARTIN 1968, 2829
STENOPOGON HAMUS MARTIN 1968, 2829
STENOPOGON HIEMALIS MARTIN 1968, 2829
STENOPOGON INYAE WILCOX 1971, 3930
STENOPOGON JURUPAE WILCOX 1971, 3930
STENOPOGON KIRKWOODI WILCOX 1971, 3930
STENOPOGON LINSLEYI WILCOX 1971, 3930
STENOPOGON LOMAE WILCOX 1971, 3930
STENOPOGON MACSWAINI WILCOX 1971, 3930
STENOPOGON MELANDERI WILCOX 1971, 3930
STENOPOGON MEXICANUS COLE 1923, 786
STENOPOGON NIGROLIMBATUS MARTIN 1968, 2829
STENOPOGON OAXACENSIS MARTIN 1968, 2829
STENOPOGON OBISPAE WILCOX 1971, 3930
STENOPOGON ORTEGAI MARTIN 1968, 2829
STENOPOGON OZENAE WILCOX 1971, 3930
STENOPOGON PETILUS MARTIN 1968, 2829
STENOPOGON PINYONAE WILCOX 1971, 3930
STENOPOGON POWELLI WILCOX 1971, 3930
STENOPOGON RAFAELAE WILCOX 1971, 3930
STENOPOGON ROSSI MARTIN 1968, 2829
STENOPOGON SILACEUS MARTIN 1968, 2829
STENOPOGON SURRUFUS MARTIN 1968, 2829
STENOPOGON TOLANDI WILCOX 1971, 3930
STENOPOGON WILLIAMSI WILCOX 1971, 3930
STENOPOGON XOCHIMILCAE MARTIN 1968, 2829
STENOPOGON ZEBRA MARTIN 1968, 2829
STENOSPHENUS ROSSI LINSLEY 1942, 2736
STENOSTEPHANUS BREEDLOVEI DANIEL 1995, 962
STENOSTEPHANUS CHIAPENSIS DANIEL 1995, 962
STENOTABANUS ALBILINEARIS PHILIP 1960, 3116
STENOTABANUS MACROCERAS PHILIP 1960, 3116
STEPHANOGONIA MUTABILA HANNA & BRIGGER 1964, 1744
STEPHANOGONIA PRETIOSA HANNA & GRANT 1926, 1748
STEPHANOMERIA CAROTIFERA HOOVER 1966, 1931
STEPHANOMERIA CORONARIA GREENE 1885, 1636
STEPHANOMERIA GUADALUPENSIS BRANDEGEE

1901, 568
STEPHANOMERIA INTERMEDIA KELLOGG 1873, 2568
STEPHANOMERIA TENUIFOLIA VAR. MYRIOCLADA (DC EAT.) CRONQUIST 1950 [COMB. NOV.], 902
STEPHANOMERIA TOMENTOSA GREENE 1886, 1641
STEPHANOPYXIS APPENDICULATA HANNA 1927, 1734
STEPHANOPYXIS DISCREPANS HANNA 1927, 1734
STEPHANOPYXIS HERZBERGI HANNA & BRIGGER 1964, 1744
STERCULIA, 1222
STEREOCIDARIS NASCAENSIS ALLISON DURHAM & MINTZ 1967, 25
STEREOLEPIS AYRES 1859, 169
STEREOLEPIS GIGAS AYRES 1859, 169, 171
STERIPHANUS DURUS BLAISDELL 1923, 405
STERIPHANUS ESTEBANI BLAISDELL 1923, 405
STERIPHANUS MUCRONATUS BLAISDELL 1923, 405
STERIPHANUS TARDUS BLAISDELL 1923, 405
STERIPHANUS TORPIDUS BLAISDELL 1923, 405
STERKIA CALAMITOSA MARTINIANA PILSBRY 1927, 3120
STERNANDRIUM VERTICILLATUM BRANDEGEE 1908, 575
STERNOPHORUS SINI CHAMBERLIN 1923, 715
STHENARUS HUMERALIS VAN DUZEE 1923, 3802
STHENELAIS FUSCA JOHNSON 1897, 2307
STHENELAIS VERRUCULOSA JOHNSON 1897, 2307
STIBIA CRIBRATA BLAISDELL 1923, 405
STIBIA FERRUGINEA BLAISDELL 1943, 410
STIBIA GRANULATA BLAISDELL 1923, 405
STIBIA HANNAI BLAISDELL 1925, 408
STIBIA SPARSA BLAISDELL 1923, 405
STIBIA WILLIAMSI BLAISDELL 1925, 408
STICTIELLA ARGENTATA FOX 1923, 1462
STICTIELLA BIFURCATA ALBICERA FOX 1923, 1462
STICTIELLA BIFURCATA FOX 1923, 1462
STICTIELLA DIRECTA FOX 1923, 1462
STIGMINA THERMOPSI HARKNESS 1884, 1773
STILICUS OCCIDUUS HALL 1901, 1718
STIMPSON [WILLIAM], 3531
STIPA, 334, 2842
STIPA BLOOMERI BOLANDER 1872, 484
STIPA (LASIAGROSTIS) KINGII BOLANDER 1872, 484
STIPA (LASIAGROSTIS) STILLMANII BOLANDER 1872, 484
STIPA LEMMONI VAR. PUBESCENS CRAMPTON 1955, 881
STIPA PULCHRA VAR. CERNUA (STEBBINS & LOVE) BEETLE & TOFSRUD 1947 [COMB. NOV.], 334
STIPHROSOMA ATRATA UHLER 1894, 3728
STOBAERA GIFFARDI VAN DUZEE 1917, 3795
STOKES (SUSAN G), 2153
STOLEPHORUS SCOFIELDI JORDAN & CULVER 1895, 2333
STOMION CRIBRICOLLIS VAN DYKE 1953, 3818
STOMION GALAPAGOENSIS PUNCTIPENNIS VAN DYKE 1953, 3818
STOMION LONGICRONIS VAN DYKE 1953, 3818
STOMION LONGULUM VAN DYKE 1953, 3818
STOMION OBESUM VAN DYKE 1953, 3818
STOMION RUGOSUM VAN SYKE 1953, 3818
STRANEOA SELIGMANI KAVANAUGH 2005, 2356
STRATEGUS COOPER 1863, 818, 819
STRATEGUS INERMIS COOPER 1863, 818
STRATIGRAPHY, 45, 46, 49, 51, 126, 128, 1063, 3136, 3371, 3464, 3638, 4018
STRATIOMYIA ATRA COLE 1919, 788
STRATIOTHYREA MATEMA CRESSON 1936, 914
STREBLONEMA CODICOLA SETCHELL & GARDNER 1930, 3388
STREPANTHUS COOMBSAE EASTWOOD 1931, 1146
STREPSIPTERA, 473
STREPTANTHELLA LONGIROSTRIS VAR. DERELICTA HOWELL 1937, 1995
STREPTANTHUS, 2213
STREPTANTHUS AMPLEXICAULIS VAR. BARBARAE HOWELL 1961, 2197
STREPTANTHUS ANCEPS (PAYSON) HOOVER 1966 [COMB. NOV.], 1934
STREPTANTHUS BREWERI GRAY 1864, 1626
STREPTANTHUS CORDATUS VAR. PIUTENSIS HOWELL 1963, 2203
STREPTANTHUS DUDLEYI EASTWOOD 1931, 1146
STREPTANTHUS FARNSWORTHIANUS HOWELL 1965, 2218
STREPTANTHUS FENESTRATUS (GREENE) HOWELL 1961 [COMB. NOV.], 2195
STREPTANTHUS GRACILIS EASTWOOD 1902, 1141
STREPTANTHUS HISPIDUS GRAY 1864, 1626
STREPTANTHUS LASIOPHYLLUS (H. & A.) HOOVER 1966 [COMB. NOV.], 1934
STREPTANTHUS LASIOPHYLLUS VAR. INALIENUS (ROB.) HOOVER 1966 [COMB. NOV.], 1934
STREPTANTHUS LILACINUS HOOVER 1936, 1913
STREPTANTHUS RIGIDUS (GREENE) HOOVER 1966 [COMB. NOV.], 1934
STREPTANTHUS SANHEDRENSIS EASTWOOD 1931, 1146
STREPTANTHUS TORTUOSUS KELLOGG 1862, 2498
STRETCHIA EDWARDS 1874, 1280
STRETCHIA PLUSIAEFORMIS EDWARDS 1874, 1280
STROMBINA BONITA STRONG & HERTLEIN 1937, 3602
STROMBINA LIOPLEURA DALL & OCHSNER 1928, 954
STROMBUS OBLITERATUS HANNA 1926, 1732
STROMBUS PROPEGRACILIOR DALL & OCHSNER 1928, 954

STRONGYLASPIS KRAEPELINI PARVULA LINSLEY & CHEMSAK 1966, 2738
STRONGYLOCORIS UNIFORMIS VAN DUZEE 1925, 3804
STROPHOPODA APRICA VAN DUZEE 1921, 3798
STROPHOPODA VAN DUZEE 1921, 3798
STRUCTURAL GEOLOGY, 127
STYELA TESSERIS LAMBERT 1993, 2649
STYLATULA AUSTROPACIFICA WILLIAMS 2007, 3958
STYLIFERINA TURRITA CARPENTER 1866, 700
STYLOBATES LOISETTEAE FAUTIN 1987, 1420
STYLOCLINE, 2095
STYLOCLINE ACAULE KELLOGG 1877, 2581
STYLOCLINE AMPHIBOLA (GRAY) HOWELL 1948 [COMB. NOV.], 2095
STYLOCLINE PSILOCARPHOIDES PECK 1945, 3092
STYLOGASTER, 874
STYLOMECON HETEROPHYLLA VAR. MICROPETALA HOOVER 1966, 1934
STYLOPHORA CHANEYI DURHAM 1942, 1103
STYPOCHELA INCA PHILIP 1960, 3116
STYPOCHELA NEOMINOS PHILIP 1960, 3116
STYPOMMIA ABDOMINALIS PHILIP 1960, 3116
STYRACACEAE, 1476, 1478
SUBMARINE CANYONS, 1025
SUCCINEA ATOLLICA HERTLEIN & ALLISON 1968, 1872
SUCCINEA CLARIONENSIS DALL 1926, 953
SUCCINEA JAPONICA NEWCOMB 1865, 3004
SUCCINEA-NEWCOMBIANUM GARRETT 1857, 1504, 1507
SUCCINEA SOCORROENSIS DALL 1926, 953
SUCULA COHNI DICKERSON 1915, 1057
SUDAN, 1078
SUNDASALANGIDAE ROBERTS 1981, 3274
SUNDASALANX MICROPS ROBERTS 1981, 3274
SUNDASALANX PRAECOX ROBERTS 1981, 3274
SUNDASALANX ROBERTS 1981, 3274
SURCULA ALIZENSIS ANDERSON & HANNA 1925, 51
SURCULA CARMENENSIS ANDERSON 1928, 49
SURCULA COCEQUALIS ANDERON & HANNA 1925, 51
SURCULA INSULAE DALL & OCHSNER 1928, 954
SURCULA IOFORMIS ANDERSON & HANNA 1925, 51
SURCULA MAYI HANNA & ISRAELSKY 1925, 1753
SURCULA UVASANA DICKERSON 1915, 1057
SURINAME, 1471, 3129
SURIRELLA BEADENSIS SOVEREIGN 1963, 3488
SURIRELLA NEWMANI HANNA & GRANT 1926, 1748
SURIRELLA PARMA SOVEREIGN 1963, 3488
SURIRELLA SCHUWERKII REICHARDT 1990, 3223
SURIRELLA TEMBLORIS HANNA 1932, 1737
SURIRELLA TURKANENSIS REICHARDT 1990, 3223
SUTROA ALPESTRIS EISEN 1892, 1329
SUTROA EISEN 1888, 1324
SUTROA ROSTRATA EISEN 1888, 1324
SWEDEN, 3251, 3409
SWERTIA GYPSICOLA BARNEBY 1942, 272
SWITZERLAND, 3713
SYMPETALEIA TENELLA JOHNSTON 1924, 2313
SYMPHURUS MELANURUS CLARK 1936, 755
SYMPHURUS WILLIAMSI JORDAN & CULVER 1895, 2333
SYMPHYLA, 2909
SYMPHYLELLA CAPICOLA MICHELBACHER 1942, 2909
SYMPHYLELLA ROSSI MICHELBACHER 1942, 2909
SYMPLOCACEAE, 2597
SYMPLOCA MICRODONTA SETCHELL & GARDNER 1930, 3388
SYMPLOCOS CANDELABRA ARANHA & PW FRITSCH & ALMEDA 2005, 1436
SYMPLOCOS MICROSTYLA ARANHA & PW FRITSCH & ALMEDA 2005, 1436
SYMPOLCOS INSOLITA ARANHA & FRITSCH & ALMEDA 2007, 94
SYMPOSIUM, 26, 1106, 1359, 1418, 1524, 1528, 1532, 1533, 1535, 1677, 1834, 1940, 2281, 2282, 2283, 2355, 2622, 2629, 2630, 2661, 2695, 2696, 2742, 3126, 3175, 3215, 3352, 3395, 3408, 3837, 3954, 4023
SYMPYCNUS CUPRINUS WHEELER 1899, 3889
SYMPYCNUS MARCIDUS WHEELER 1899, 3889
SYMPYCNUS PUGIL WHEELER 1899, 3889
SYNANCEIA ALULA ESCHMEYER & RAMA RAO 1973, 1372
SYNANCEIA NANA ESCHMEYER & RAMA RAO 1973, 1372
SYNAPHRIS SCHLINGERI MILLER 2007, 2920
SYNAPHRIS TOLIARA MILLER 2007, 2920
SYNARTHRUS AFFINIS WHEELER 1899, 3889
SYNARTHRUS STRATAEGUS WHEELER 1899, 3889
SYNCARIS HOLMES 1900, 1908
SYNECHES MATEMA CURRAN 1936, 914
SYNEDRA DUHEMI HANNA & GRANT 1926, 1748
SYNGNATHIFORMES, 1480
SYNGNATHUS BANNERI HERALD & RANDALL 1972, 1838
SYNGNATHUS CALDWELLI HERALD & RANDALL 1972, 1838
SYNGNATHUS EMERITUS FRITZSCHE 1980, 1480
SYNGNATHUS EUCHROUS FRITZSCHE 1980, 1480
SYNGNATHUS EUCHROUS OLLOTROPIS FRITZSCHE 1980, 1480
SYNGNATHUS FLORIDAE HUBBSI HERALD 1965, 1836
SYNGNATHUS GRISEO-LINEATUS AYRES 1854, 140, 187
SYNGNATHUS HILDEBRANDI HERALD 1965, 1836
SYNGNATHUS INSULAE FRITZSCHE 1980, 1480
SYNGNATHUS MACROBRACHIUM FRITZSCHE

1980, 1480
SYNGNATHUS RANDALLI HERALD 1965, 1836
SYNTHYRIS REFLEXA EASTWOOD 1898, 1125
SYNTHYRIS RITTERIANA EASTWOOD 1898, 1125
SYPINOTUS TESTACEUS BANKS 1898, 259
SYRICTES JORDON & EVERMANN 1927, 2348
SYRMATIUM DENDROIDEUM GREENE 1886, 1641
SYRMATIUM NEVADENSE GREENE 1886, 1641
SYRMATIUM NIVEUM GREENE 1886, 1641
SYRMATIUM PATENS GREENE 1886, 1641
SYRPHUS BIMACULATA LOVETT 1919, 788
SYRPHUS PACIFICA LOVETT 1919, 788
SYSPIRA ANALYTICA CHAMBERLIN 1924, 717
SYSPIRA ECLECTICA CHAMBERLIN 1924, 717
SYSPIRA SYNTHETICA CHAMBERLIN 1924, 717
SYSTEMATICS, 178, 314, 320, 399, 488, 516, 677, 762, 811, 909, 968, 1082, 1176, 1178, 1308, 1412, 1413, 1414, 1448, 1603, 1609, 1611, 1615, 1616, 1653, 1654, 1655, 1782, 1787, 1853, 1875, 2276, 2360, 2611, 2712, 2822, 2823, 2881, 2981, 2996, 3052, 3132, 3149, 3178, 3181, 3348, 3362, 3470, 3559, 3592, 3626, 3739, 3819, 3834, 3857, 3961, 3967, 3990, 4033
SYSYMBRIUM CRENATUM BRANDEGEE 1891, 541
TABANUS, 3641
TABANUS ALBICUSPIS WANG 1985, 4046
TABANUS ALBOSETOSUS COHER 1985, 784
TABANUS ANGUSTOFRONS WANG 1985, 4046
TABANUS FLAVICORPUS PHILIP 1960, 3116
TABANUS JACOBARIUS COHER 1985, 784
TABANUS KUNMINGENSIS WANG 1985, 4046
TABANUS LOPHUS PHILIP 1960, 3116
TABANUS MACILENTUS COHER 1985, 784
TABANUS PARVIFORMUS WANG 1985, 4046
TABANUS PREFULVENTER WANG 1985, 4046
TABANUS QUADRIPUNCTATUS AMABILINUS PHILIP 1960, 3116
TABANUS STRIATUS JOSHII COHER 1985, 784
TABANUS SUBMACILENTUS COHER 1985, 784
TACHINA GARRETTI ARNAUD 1994 [NOM. NOV.], 104
TACHISURUS AGASSIZZII C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
TACHISURUS GULOSUS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
TACHISURUS JORDANI C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
TACHISURUS LENTIGINOSUS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
TACHISURUS LONGICEPHALUS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
TACHISURUS UPSULONOPHORUS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
TACHYSPHEX ABURI PULAWSKI 2007, 3161
TACHYSPHEX ACANTHOPHORUS PULAWSKI 1982, 3156
TACHYSPHEX AMPIJOROA PULAWSKI 2007, 3161
TACHYSPHEX ANGELICUS PULAWSKI 1988, 3158
TACHYSPHEX ARIZONAE PULAWSKI 1982, 3156
TACHYSPHEX ARMATUS PULAWSKI 1982, 3156
TACHYSPHEX ASMARA PULAWSKI 2007, 3161
TACHYSPHEX AUREORUFONIGER PULAWSKI 2007, 3161
TACHYSPHEX BARA PULAWSKI 2007, 3161
TACHYSPHEX BEMBA PULAWSKI 2007, 3161
TACHYSPHEX BOARTORUM PULAWSKI 1982, 3156
TACHYSPHEX BOSTRYX PULAWSKI 2007, 3161
TACHYSPHEX BRACHYPUS PULAWSKI 2007, 3161
TACHYSPHEX CALIDUS PULAWSKI 2007, 3161
TACHYSPHEX CAMPTOPYGUS PULAWSKI 2007, 3161
TACHYSPHEX CARINATUS PULAWSKI 2007, 3161
TACHYSPHEX CAVATUS PULAWSKI 2007, 3161
TACHYSPHEX COCOPA PULAWSKI 1988, 3158
TACHYSPHEX COXALIS PULAWSKI 2007, 3161
TACHYSPHEX CURVIPES PULAWSKI 2007, 3161
TACHYSPHEX DISSIMULATUS PULAWSKI 2007, 3161
TACHYSPHEX DOMINICANUS PULAWSKI 1988, 3158
TACHYSPHEX ERECTUS PULAWSKI 2007, 3161
TACHYSPHEX ERYTHRURUS PULAWSKI 2007, 3161
TACHYSPHEX EURYSTOMA PULAWSKI 2007, 3161
TACHYSPHEX EXCAVATUS PULAWSKI 2007, 3161
TACHYSPHEX FRIGIDUS PULAWSKI 2007, 3161
TACHYSPHEX GASTROTRICHUS PULAWSKI 2007, 3161
TACHYSPHEX GESSIANUS PULAWSKI 2007, 3161
TACHYSPHEX HADRONYX PULAWSKI 2007, 3161
TACHYSPHEX HOPI PULAWSKI 1988, 3158
TACHYSPHEX HUCHITI PULAWSKI 1988, 3158
TACHYSPHEX IAPHETES PULAWSKI 2007, 3161
TACHYSPHEX IBI PULAWSKI 2007, 3161
TACHYSPHEX IDIOTRICHUS PULAWSKI 1982, 3156
TACHYSPHEX IRREGULARIS PULAWSKI 1982, 3156
TACHYSPHEX KAROO PULAWSKI 2007, 3161
TACHYSPHEX KHOIKHOI PULAWSKI 2007, 3161
TACHYSPHEX KROMBEINIELLUS PULAWSKI 1982, 3156
TACHYSPHEX LAMELLATUS PULAWSKI 1982, 3156
TACHYSPHEX LONGIPES PULAWSKI 2007, 3161
TACHYSPHEX MAYA PULAWSKI 1988, 3158
TACHYSPHEX MELANIUS PULAWSKI 2007, 3161
TACHYSPHEX MENKEI PULAWSKI 1982, 3156
TACHYSPHEX MERINA PULAWSKI 2007, 3161
TACHYSPHEX MESEMBRIUS PULAWSKI 2007, 3161
TACHYSPHEX MIRANDUS PULAWSKI 1982, 3156
TACHYSPHEX MIWOK PULAWSKI 1988, 3158
TACHYSPHEX MKOMAZI PULAWSKI 2007, 3161
TACHYSPHEX MUSCIVENTRIS PULAWSKI 1982, 3156
TACHYSPHEX MZINGELI PULAWSKI 2007, 3161
TACHYSPHEX NAMAQUA PULAWSKI 2007, 3161

TACHYSPHEX OASICOLA PULAWSKI 1988, 3158
TACHYSPHEX OCCIDENTALIS PULAWSKI 1982, 3156
TACHYSPHEX ONAGER PULAWSKI 2007, 3161
TACHYSPHEX OPATA PULAWSKI 1988, 3158
TACHYSPHEX ORESTES PULAWSKI 1988, 3158
TACHYSPHEX OVAMBO PULAWSKI 2007, 3161
TACHYSPHEX PAIUTE PULAWSKI 1988, 3158
TACHYSPHEX PAPAGO PULAWSKI 1982, 3156
TACHYSPHEX PAULUS PULAWSKI 2007, 3161
TACHYSPHEX PINAL PULAWSKI 1988, 3158
TACHYSPHEX PLATYSTETHUS PULAWSKI 2007, 3161
TACHYSPHEX PSEUSOFASCIATUS PULAWSKI 2007, 3161
TACHYSPHEX PSILONOTUS PULAWSKI 2007, 3161
TACHYSPHEX PUNCTIGER PULAWSKI 2007, 3161
TACHYSPHEX QUISQUEYUS PULAWSKI 1988, 3158
TACHYSPHEX RAPAX PULAWSKI 2007, 3161
TACHYSPHEX RHACODES PULAWSKI 2007, 3161
TACHYSPHEX ROTUNDUS PULAWSKI 2007, 3161
TACHYSPHEX RUBER PULAWSKI 2007, 3161
TACHYSPHEX RUGOSIPLEURIS PULAWSKI 2007, 3161
TACHYSPHEX SABULOSUS PULAWSKI 2007, 3161
TACHYSPHEX SAHELENSIS PULAWSKI 2007, 3161
TACHYSPHEX SAMBURU PULAWSKI 2007, 3161
TACHYSPHEX SCABER PULAWSKI 2007, 3161
TACHYSPHEX SCOPAEUS PULAWSKI 1988, 3158, 3161
TACHYSPHEX SCOPA PULAWSKI 2007, 3161
TACHYSPHEX SILVESTRIS PULAWSKI 2007, 3161
TACHYSPHEX SOCOTRAE PULAWSKI 2007, 3161
TACHYSPHEX SOLARIS PULAWSKI 1982, 3156
TACHYSPHEX SPATULIFER PULAWSKI 1982, 3156
TACHYSPHEX SPECTRUM PULAWSKI 2007, 3161
TACHYSPHEX SULCATUS PULAWSKI 1988, 3158
TACHYSPHEX TAHOE PULAWSKI 1988, 3158
TACHYSPHEX TAITA PULAWSKI 2007, 3161
TACHYSPHEX TANQUA PULAWSKI 2007, 3161
TACHYSPHEX TEMBE PULAWSKI 2007, 3161
TACHYSPHEX THYSANOMERUS PULAWSKI 2007, 3161
TACHYSPHEX TIPAI PULAWSKI 1988, 3158
TACHYSPHEX TOLTEC PULAWSKI 1988, 3158
TACHYSPHEX TRYSSUS PULAWSKI 2007, 3161
TACHYSPHEXTSIL PULAWSKI 1988, 3158
TACHYSPHEX ULONYOVU PULAWSKI 2007, 3161
TACHYSPHEX ULOTHRIX PULAWSKI 2007, 3161
TACHYSPHEX USAKOS PULAWSKI 2007, 3161
TACHYSPHEX UTINA PULAWSKI 1988, 3158
TACHYSPHEX VERTICALIS PULAWSKI 1982, 3156
TACHYSPHEX YOLO PULAWSKI 1982, 3156
TACHYSPHEX YUMA PULAWSKI 1982, 3156
TACHYSPHEX ZAMBIUS PULAWSKI 2007, 3161
TACHYSPHEX ZIZIPHI PULAWSKI 2007, 3161
TACHYSURUS EVERMANNI GILBERT & STARKS 1904, 1555
TACHYSURUS STEINDACHNERI GILBERT & STARKS 1904, 1555
TACHYUSA CREBREPUNCTATA CASEY 1886, 710
TACHYUSA EXPERTA CASEY 1885, 708
TACHYUSA FACETA CASEY 1885, 708
TACHYUSA HARFORDI CASEY 1885, 708
TACHYUSA LATICEPS CASEY 1885, 708
TACHYUSA LINEARIS CASEY 1885, 708
TAGETES LACERA BRANDEGEE 1890, 540
TAGETES SCABRA BRANDEGEE 1890, 540
TAHOE REGION, 3034, 3038, 3457
TAKYDROMUS KUEHNEI VAN DENBURGH 1912, 3767
TAKYDROMUS SAUTERI VAN DENBURGH 1912, 3767
TAKYDROMUS STEJNEGERI VAN DENBURGH 1912, 3767
TALINARIA BRANDEGEE 1908, 575
TALINARIA PALMERI BRANDEGEE 1908, 575
TALINUM OLIGOSPERMUM BRANDEGEE 1908, 577
TALINUM WAYAE EASTWOOD 1934, 1181
TANACETUM MARTIRENSIS WIGGINS 1965, 3926
TANACETUM POTENTILLOIDES VAR. NITROPHILUM CRONQUIST 1950, 902
TANACETUM POTENTILLOIDES VAR. POTENTILLOIDES CRONQUIST 1950 [NOM. NOV.], 902
TANGINA SINENSIS FENNAH 1956, 1423
TANTILLA, 3420
TANTILLA NELSONI SLEVIN 1926, 3420
TANZANIA, 598, 1080
TAPIRIRA EDULIS BRANDEGEE 1900, 564
TARASA MANDONI (BAKER) KEARNEY 1949 [COMB. NOV.], 2368
TARASA PLUMOSA (PRESL) KEARNEY 1949 [COMB. NOV.], 2368
TARINGA HALGERDA GOSLINER & BEHRENS 1998, 1607
TARLETONBEANIA C.H.EIGENMANN & R.S.EIGENMANN 1890, 1320
TARLETONBEANIA TENUA C.H.EIGENMANN & R.S.EIGENMANN 1890, 1320
TARSONOPS CHAMBERLIN 1924, 717
TARSONOPS CLAVIS CHAMBERLIN 1924, 717
TARSONOPS SECTIPES CHAMBERLIN 1924, 717
TARSONOPS SYSTEMATICUS CHAMBERLIN 1924, 717
TASMANIA, 3948
TASMAN SEA, 2888
TATRO (STELLA), 124
TAXODIUM GIGANTEUM KELLOGG & BEHR 1855, 2587, 2588
TAXONOMIC INDEX, 111, 117, 2621, 3950
TAXONOMY, 4, 5, 37, 220, 270, 276, 278, 283, 291, 294, 297, 329, 327, 443, 469, 699, 831, 867, 873, 903, 916,

919, 969, 977, 1052, 1074, 1083, 1088, 1174, 1175, 1176, 1188, 1202, 1231, 1267, 1268, 1449, 1457, 1479, 1525, 1532, 1533, 1557, 1565, 1582, 1716, 1816, 1848, 1881, 1885, 1889, 1891, 1917, 1921, 1924, 1955, 1962, 1982, 2003, 2029, 2032, 2038, 2062, 2082, 2087, 2091, 2095, 2100, 2128, 2177, 2185, 2281, 2375, 2620, 2624, 2716, 2744, 2761, 2770, 2864, 2890, 2938, 2954, 2972, 2973, 3021, 3220, 3281, 3499, 3565, 3576, 3582, 3584, 3611, 3645, 3654, 3834, 3884, 3886, 3937, 3943
TECHNIQUES, 2782, 2820, 2981, 3421
TEGENARIA MODESTA BANKS 1898, 259
TEGENARIA OBSCURA BANKS 1898, 259
TEGULA FORBESI DALL & OCHSNER 1928, 954
TEINOSTOMA EXOLETA ANDERSON & HANNA 1925, 51
TEINOSTOMA PROFUNDA ANDERSON & HANNA 1925, 51
TELABIS HIRTIPES BLAISDELL 1923, 405
TELABIS LATIPENNIS BLAISDELL 1923, 405
TELABIS LUNULATA BLAISDELL 1923, 405
TELABIS NEVADENSIS BLAISDELL 1925, 409
TELAPONIUM CASTANEUM BLAISDELL 1923, 405
TELAPONIUM PINGUE BLAISDELL 1943, 410
TELEGEUSIS DEBILIS HORN 1895, 1936
TELEGEUSIS HORN 1895, 1936
TELEONEMIA MONILE VAN DUZEE 1918, 3796
TELEONEMIA SORORCULA VAN DUZEE 1923, 3802
TELEONEMIA VIDUA VAN DUZEE 1918, 3796
TELEOSTEI:APOGONIDAE, 1651
TELEOSTEI:BATRACHOIDIDAE, 791, 1645, 1647, 1659
TELEOSTEI:CONGRIDAE, 1653
TELEOSTEI:CYPRINIDAE, 1320
TELEOSTEI:GADIFORMES, 2276
TELEOSTEI:GADIFORMES:MACROURIDAE, 2267, 2268, 2270, 2272, 2271, 2888, 3362
TELEOSTEI:GOBIIDAE, 1652, 1654, 1656, 1657, 3115, 3176
TELEOSTEI:HOLOCENTRIDAE, 3934
TELEOSTEI:ODONTOBUTIDAE, 12
TELEOSTEI:OPHIDIIDAE, 1646
TELEOSTEI:PERCIDAE, 3134
TELEOSTEI:PERCIFORMES:ZOARCIDAE, 55, 56, 57, 58, 59
TELEOSTEI:SCOPELIDAE, 1320
TELEPHORUS DECIPIENS HORN 1894, 1935
TELESONIX JAMESII VAR. HEUCHERIFORME (RYDB.) BACIGALUPI 1947 [COMB. NOV.], 220
TELLINA CASTACANA ANDERSON & HANNA 1925, 51
TELLINA HOWARDI DICKERSON 1915, 1057
TELLINA LEBECKI ANDERSON & HANNA 1925, 51
TELLINA NEVADENSIS ANDERSON & MARTIN 1914, 53
TELLINA PROTOLYRA ANDERSON 1929, 50
TELLINA WILSONI ANDERSON & MARTIN 1914, 53
TELMATODRILUS MCGREGORI EISEN 1900, 1343
TEMPLETONIA QUADRIOCULATA SCHÖTT 1896, 3370
TENNESSEE, 711
TEPEYACIA CORRUGATA PALMER 1928, 3050
TEPEYACIA PALMER 1928, 3050
TEPHROSIA CANA BRANDEGEE 1891, 541
TEPHROSIA PURISIMAE BRANDEGEE 1889, 524
TEPHROSIA RHODANTHA BRANDEGEE 1905, 573
TEREBRA ALBEMARLENSIS DALL & OCHSNER 1928, 954
TEREBRA BURCKHARDTI HERTLEIN & JORDAN 1927, 1873
TEREBRA COOPERI ANDERSON 1905, 45
TEREBRA GALAPAGINA DALL & OCHSNER 1928, 954
TEREBRA LITOREA DALL & OCHSNER 1928, 954
TEREBRATALIA SMITHI ARNOLD 1903, 126
TEREBRATELLA OCCIDENTALIS DALL 1872, 935
TEREBRIPORA VARIANS SOULE & SOULE 1969, 3487
TERETRIUS LEVATUS HORN 1894, 1935
TERFEZIA SPINOSA HARKNESS 1899, 1789
TERFEZIA ZEYNEBIAE HARKNESS 1899, 1789
TERFEZIOPSIS HARKNESS 1899, 1789
TERFEZIOPSIS LIGNARIA HARKNESS 1899, 1789
TERMITES, 2720
TERRITELLA WITTICHI HERTLEIN & JORDAN 1927, 1873
TERTIARIOPSIS IMPERSEPTUS KHURSEVICH & FEDENYA & KOCIOLEK 2002, 2610
TERTIARIOPSIS KHURSEVICH & KOCIOLEK 2002, 2610
TERTIARIOPSIS MAKAROVAE KHURSEVICH & KOCIOLEK 2002, 2610
TERTIARIOPSIS SIBERICUS KHURSEVICH & FEDENYA & KOCIOLEK 2002, 2610
TERTIARY, 10, 48, 49, 50, 51, 128, 725, 800, 839, 925, 954, 1058, 1059, 1063, 1061, 1062, 1105, 1481, 1559, 1726, 1736, 1737, 1741, 1746, 1749, 1753, 1754, 1831, 1860, 1861, 1867, 1868, 1869, 1871, 1873, 2346, 2347, 2817, 2818, 2900, 2921, 3042, 3225, 3226, 3227, 3318, 3465, 3466, 3678, 3680, 3696, 3699, 3867, 3868, 3881, 4006, 4018, 4042
TESSAROLAX INCRUSTATA ANDERSON & HANNA 1935, 52
TESSERANTHIUM KELLOGG 1862, 2495
TESSERANTHIUM RADIATUM KELLOGG 1862, 2495
TESTUDO CHATHAMENSIS VAN DENBURGH 1907, 3761
TESTUDO CHATHAMENSIS VAN DENBURGH 1914, 3769
TESTUDO DARWINI VAN DENBURGH 1907, 3761
TESTUDO DARWINI VAN DENBURGH 1914, 3769
TESTUDO GRAECA, 3059
TESTUDO HOODENSIS VAN DENBURGH 1907, 3761
TESTUDO HOODENSIS VAN DENBURGH 1914, 3769

TESTUDO PHANTASTICA VAN DENBURGH 1914, 3769
TESTUDO PHANTASTICUS VAN DENBURGH 1907, 3761
TETANOPS APICALIS COLE 1921, 789
TETANURAE GAUTHIER 1986, 1515
TETHINA SPINULOSA COLE 1923, 786
TETRACAMPHILIUS PECTINATUS ROBERTS 2003, 3281
TETRACAMPHILIUS ROBERTS 2003, 3281
TETRACOCCUS HALLII BRANDEGEE 1908, 574
TETRADYMIA SPINOSA VAR. LONGISPINA JONES 1895, 2326
TETRADYMIA STENOLEPIS GREENE 1885, 1634
TETRAGNATHA ATRICEPS BANKS 1898, 259
TETRAGNATHA CONVEXA BANKS 1898, 259
TETRAGNATHA EREMITA CHAMBERLIN 1924, 717
TETRAGNATHA FRATERNA BANKS 1898, 259
TETRAGNATHA INTERMEDIA BANKS 1898, 259
TETRAGNATHA PENINSULANA BANKS 1898, 259
TETRAGONEURA QUINTANA COLE 1921, 789
TETRAMERIUM FRUTICOSUM BRANDEGEE 1901, 568
TETRAODON SETOSUS SMITH 1886, 3469
TETRAODONTIDAE:CHONERHINOS, 3276
TETRAOPES ELEGANS HORN 1894, 1935
TETRAPHLEPS FURVUS VAN DUZEE 1921, 3800
TETRAPHLEPS LATIPENNIS VAN DUZEE 1921, 3800
TETRAPHLEPS LEPIDUS VAN DUZEE 1921, 3800
TETRAPLOA SCABRA HARKNESS 1885, 1774
TETRAPTERUS ILLINGWORTHI JORDAN & EVERMANN 1926, 2338
TETRAPTURUS ECTENES JORDAN & EVERMANN 1926, 2338
TETRAPTURUS KRAUSSI JORDAN & EVERMANN 1926, 2338
TETRASAMPHILIUS CLANDESTINUS ROBERTS 2003, 3281
TETRASTICHUS ORBITALIS ASHMEAD 1895, 130
TETRICA ZEPHYRUS FENNAH 1956, 1423
TETRICODES FENNAH 1956, 1423
TETRICODES POLYPHEMUS FENNAH 1956, 1423
TEUCHOPHORUS CLAVIGERELLUS WHEELER 1899, 3889
TEUCHOTHRIPS ALBIPENNIS MOULTON 1968, 2963
TEUCHOTHRIPS FUSCIPENNIS MOULTON 1968, 2963
TEUCHOTHRIPS SPINOSUS MOULTON 1968, 2963
TEUCRIUM GLANDULOSUM KELLOGG 1859, 2469
TEUTANA NESIOTES CHAMBERLIN 1924, 717
TEUTHIS CRESTONIS JORDAN & STARKS 1895, 2333
TEXAS, 298, 710, 711, 1580, 1938, 1941, 3091, 3259, 3473
THAILAND, 1811
THAIROPLAX MERRIAMI HOARE 2000, 1898
THAIS BLAKEI ANDERSON & MARTIN 1914, 53
THAIS NEHALEMENSIS ANDERSON & MARTIN 1914, 53
THAIS PANZANA ANDERSON & MARTIN 1914, 53
THAIS TROPHONOIDES ANDERSON & MARTIN 1914, 53
THAIS WITTICHI HERTLEIN & JORDAN 1927, 1873
THALA EXQUISITA GARRITT 1872, 1508
THALASSIOSIRA WONGII MAHOOD 1986, 2802
THALASSOMA HERREI SEALE 1935, 3380
THALASSOSTEUS JORDAN & EVERMANN & TANAKA 1927, 2339
THALATTOSAURUS PERRINI MERRIAM 1905, 2902
THALATTOSAURUS SHASTENSIS MERRIAM 1905, 2902
THALA VIOLACEA GARRITT 1872, 1508
THAMNOPHIS, 3785
THAMNOPHIS ATRATUS, 488
THAMNOPHIS ATRATUS ZAXANTHUS BOUNDY 1999, 488
THAMNOPHIS ORDINOIDES HUEYI VAN DENBURGH & SLEVIN 1923, 3792
THAMNOSMA TRIFOLIATA JOHNSTON 1924, 2313
THAMNOTETTIX COMMISSUS VAN DUZEE 1917, 3795
THAMNOTETTIX HELVINUS VAN DUZEE 1917, 3795
THAMNOTETTIX LENIS VAN DUZEE 1925, 3804
THAMNOTETTIX MONTANUS REDUCTUS VAN DUZEE 1917, 3795
THAMNOTETTIX VERUTUS VAN DUZEE 1925, 3804
THANATUS PENINSULANUS BANKS 1898, 259
THARGALIA DORSATA BANKS 1898, 259
THARGALIA GRACILIS BANKS 1898, 259
THARGALIA MEXICANA BANKS 1898, 259
THARGALIA VENUSTA BANKS 1898, 259
THAUMATOHRIPS ACACIAE MOULTON 1968, 2963
THAUMATOTHRIPS DISTINCTUS MOULTON 1968, 2963
THAUNA EDWARDS 1874, 1280
THAUNA RIBIS EDWARDS 1874, 1280
THECLA ADENOSTOMATIS EDWARDS 1877, 1300
THECLA MELINUS CLARIONENSIS HEID 1933, 3805
THECLA MELINUS PUDICA EDWARDS 1877, 1301
THECLA PUTNAMI EDWARDS 1877, 1300
THECLOSPORA BIFIDA HARKNESS 1884, 1773
THECLOSPORA HARKNESS 1884, 1773
THECLOSPORA LATERALIS HARKNESS 1885, 1774
THELYPODIUM AUREUM EASTWOOD 1891, 1111
THELYPODIUM MEXICANUM BRANDEGEE 1904, 570
THELYPODIUM PURPUSI BRANDEGEE 1908, 575
THELYPODIUM STAMINEUM EASTWOOD 1937, 1196
THELYPTERIS BLEPHARIS SMITH 1975, 3453
THELYPTERIS NUBIGENA SMITH 1975, 3453
THELYPTERIS TETRAGONA SUBSP. ABERRANS MORTON 1957, 2956
THEMAROHYSTRIX EXUL CURRAN 1936, 914

THEORY, 127, 995, 1052, 1457, 1525, 1565, 2724, 3216, 3831, 3987, 3988
THERAPS TERRABAE JORDON & EVERMANN 1927, 2348
THERIDION ANALTICUM CHAMBERLIN 1924, 717
THERIDION GEMNIPUNCTUM CHAMBERLIN 1924, 717
THERIDION POSITIVUM CHAMBERLIN 1924, 717
THERIDIUM CALIFORNICUM BANKS 1904, 260
THERIDIUM CONFRATERNUS BANKS 1898, 259
THERMONECTES BASILLARIS GALAPAGOENSIS VAN DYKE 1953, 3818
THERMONECTES PENINSULARIS HORN 1894, 1935
THERMOPSIS, 2173
THERMOPSIS MACROPHYLLA VAR. AGNINA HOWELL 1957, 2173
THINOPHILUS NEGLECTUS WHEELER 1899, 3889
THOMAS CORWIN (SHIP), 671
THOMOMYS JACINTEUS GRINNELL & SWARTH 1914, 1670
THORDISA HARRISI CHAN & GOSLINER 2006, 722
THRYSSOCYPRIS ROBERTS & KOTTELAT 1984, 3283
THRYSSOCYPRIS SMARAGDINUS ROBERTS & KOTTELAT 1984, 3283
THRYSSOCYPRIS TONLESAPENSIS ROBERTS & KOTTELAT 1984, 3283
THUNNUS PHILLIPSI JORDAN & EVERMANN 1926, 2338
THUNNUS SALIENS JORDAN & EVERMANN 1926, 2338
THURDILLA, 1601
THURIDILLA ALBOPUSTULOSA GOSLINER 1995, 1601
THURIDILLA CARLSONI GOSLINER 1995, 1601
THURIDILLA HOFFAE GOSLINER 1995, 1601
THURIDILLA INDOPACIFICA GOSLINER 1995, 1601
THURIDILLA KATHAE GOSLINER 1995, 1601
THURIDILLA MULTIMARGINATA GOSLINER 1995, 1601
THURIDILLA NEONA GOSLINER 1995, 1601
THURIDILLA UNDULA GOSLINER 1995, 1601
THYANTA JUGOSA VAN DUZEE 1923, 3802
THYANTA PANDA VAN DUZEE 1923, 3802
THYCE MARGINATA CASEY 1886, 709
THYREODON FLAMMIPENNIS ASHMEAD 1894, 129
THYRILLUS UHLER 1894, 3728
THYRINA CRYSTALLINA JORDAN & CULVER 1895, 2333
THYRINA EVERMANNI JORDAN & CULVER 1895, 2333
THYRINA JORDAN & CULVER 1895, 2333
THYSANOCARPUS RAMOSUS GREENE 1887, 1642
THYSANOESSA SPINIFERA HOLMES 1900, 1908
THYSANOPHORA CLARIONENSIS DALL 1926, 953
THYSANOPHORA MATERNA DALL 1926, 953
THYSANOPTERA, 123, 229, 2737, 2963
TIBOUCHINA ELEGANTULA TODZIA & ALMEDA 1991, 3661
TIBOUCHINA SILVESTRIS TODZIA & ALMEDA 1991, 3661
TIBOUCHINA WURDACKII TODZIA & ALMEDA1991, 3661
TICIDA CHAMBERLINI VAN DUZEE 1923, 3802
TILDEN (JAMES WILSON), 106
TILLAEA, 1496
TINANTIA MODESTA BRANDEGEE 1891, 541
TIPULA (BERINGOTIPULA) CHARPALEX BYERS & ARNAUD 2001, 667
TIPULA CAHUILLA ALEXANDER 1920, 21
TIPULA EFEMBROWNI ARNAUD 1994 [NOM. NOV.], 103
TIPULA EVIDENS ALEXANDER 1920, 21
TIPULA MEGATERGATA ALEXANDER 1920, 21
TIPULA OPTIVA ALEXANDER 1921, 22
TIPULA PRIBILOVIA ALEXANDER 1921, 1759
TIPULA TRICHOPHORA ALEXANDER 1920, 21
TIVELA WEAVERI DICKERSON 1914, 1055
TMARSUS SEPARATUS BANKS 1898, 259
TMETICUS DENTICULATUS BANKS 1898, 259
TMETICUS INCERTUS BANKS 1898, 259
TOCOCA CROATII ALMEDA 1989, 29
TOLPIS, 2219
TOMARUS BISIGNATUS HORN 1895, 1936
TOMOPTERUS EXILIS CHEMSAK & LINSLEY 1979, 739
TONGA, 1656
TONIBIUS ROSSI BLAISDELL 1943, 410
TOPOBEA AMPLIFOLIA ALMEDA 2001, 36
TOPOBEA ARBORICOLA ALMEDA 2000, 35
TOPOBEA CALOPHYLLA ALMEDA 1984, 28
TOPOBEA DIMORPHOPHYLLA ALMEDA 2001, 36
TOPOBEA FRAGRANTISSIMA ALMEDA 1990, 31
TOPOBEA GERARDOANA ALMEDA 2001, 36
TOPOBEA HEXANDRA ALMEDA 1990, 31
TOPOBEA MULTIFLORA ALMEDA 2001, 36
TOPOBEA SUAVEOLENS ALMEDA 1990, 31
TOPOGRAPHY, 128, 412, 426, 584, 836, 1588, 1901, 3090, 3898, 3914, 3919, 3985, 4000
TORNATELLA ELLIPTICA TRASK 1855, 3678, 3696
TORNATELLIDES CLARIONENSIS DALL 1926, 953
TORNATELLIDES MEXICANA DALL 1926, 953
TORNATELLINA STRIATA NEWCOMB 1861, 3000
TORNATINA EVOLUTA WARING 1917, 3858
TORPEDO CALIFORNICA AYRES 1855, 164, 171, 211
TORRES STRAIT ISLANDS, 1033
TORTEMBOLUS CROSBY 1925, 718
TORTEMBOLUS DEMONOLOGICUS CROSBY 1925, 718
TORTEMBOLUS TORTUOSUS CROSBY 1925, 718
TOWNSENDIA FLORIFER VAR. COMMUNIS JONES 1895, 2326
TOWNSENDIA FLORIFER VAR. WATSONI (GRAY)

CRONQUIST 1950 [COMB. NOV.], 902
TOWNSENDIA MINIMA EASTWOOD 1936, 1189
TOXINS, 2600, 3635
TRACHEA CAVAGNAROI HAYES 1975, 1804
TRACHELAS CALIFORNICA BANKS 1904, 260
TRACHELAS MEXICANA BANKS 1898, 259
TRACHELAS PARVULUS BANKS 1898, 259
TRACHELAS SPECIOSA BANKS 1898, 259
TRACHINOTUS CULVERI JORDAN & STARKS 1895, 2333
TRACHINOTUS PALOMA JORDAN & STARKS 1895, 2333
TRACHONURUS YIWARDAUS IWAMOTO & WILLIAMS 1999, 2278
TRACHYCERAS (ANOLCITES) HYATTI SMITH 1904, 3464
TRACHYCERAS (PROTRACHYCERAS) SHASTENSE SMITH 1904, 3464
TRACHYCORYSTES ANALIS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
TRACHYCORYSTES POROSUS C.H.EIGENMANN & R.S.EIGENMANN 1888, 1315
TRACHYDERMON CARPENTER 1866, 700
TRACHYDERMON GOTHICUS CARPENTER 1866, 700
TRACHYPHRYNUS GOIN & COCHRAN 1963, 1567
TRACHYPHRYNUS MYERSI GOIN & COCHRAN 1963, 1567
TRACHYPTERIDAE, 756
TRACHYPTERUS DELTOIDEUS CLARK 1938, 756
TRACHYPTERUS REX-SALMONORUM GILBERT 1894, 2340
TRACHYRHINUS SONORANUS CHAMBERLIN 1925, 719
TRACHYSCORPIA OSHERI MCCOSKER 2008, 2866
TRACHYTRITON TITAN WARING 1917, 3858
TRADESCANTIA MONOSPERMA BRANDEGEE 1908, 577
TRADESCANTIA PENINSULARIS BRANDEGEE 1901, 568
TRAGOPOGON, 2001
TRANSENNELLA GALAPAGANA HERTLEIN & STRONG 1939, 1863
TRANSENNELLA JOAQUINENSIS ANDERSON & MARTIN 1914, 53
TRANSLATION, 20
TRAPANIA GODDARDI HERMOSILLO & VALDÉS 2004, 1853
TRASK (JOHN BOARDMAN), 2585
TRAVELS, 18, 219, 267, 1269, 1524, 1526, 1535, 1536, 1677, 1678, 1940, 2107, 2198, 2199, 2630, 2661, 2696, 2837, 2969, 3018, 3111, 3121, 3126, 3408, 3737, 3837, 3838, 3954, 3959
TRECHUS POMONAE HALL 1901, 1718
TREHERNIELLA NIGER MOULTON 1968, 2963
TREMATODA:DICROCOELIIDAE, 3830
TRENTEPOHLIA SOLOMONENSIS ALEXANDER 1936, 914
TRES MARIAS ISLANDS, 742, 953, 3420, 3600, 4011
TRIASSIC, 2902, 3464
TRIBULUS, 3647
TRIBULUS FISHERI KELLOGG 1877, 2584
TRICERATIUM BICORNIGERUM HANNA 1927, 1734
TRICERATIUM DIVERSUM HANNA & BRIGGER 1964, 1744
TRICERATIUM FIRTHI HANNA & BRIGGER 1964, 1744
TRICERATIUM HERTLEINI HANNA 1927, 1734
TRICERATIUM NEEDHAMI HANNA & BRIGGER 1964, 1744
TRICHOCHROUS BENEDICTI BLAISDELL 1924, 407
TRICHOCHROUS COLLARIS BLAISDELL 1923, 406
TRICHOCHROUS FRANCISQUITUS BLAISDELL 1923, 406
TRICHOCHROUS FRIGIDUS BLAISDELL 1923, 406
TRICHOCHROUS GRADATUS BLAISDELL 1924, 407
TRICHOCHROUS GRATUS BLAISDELL 1923, 406
TRICHOCHROUS IMPERIALENSIS BLAISDELL 1924, 407
TRICHOCHROUS LORETENSIS BLAISDELL 1923, 406
TRICHOCHROUS MARGARITAE BLASIDELL 1925, 408
TRICHOCHROUS PALLESCENS BLAISDELL 1924, 407
TRICHOCHROUS SQUAMIGER BLAISDELL 1923, 406
TRICHOCHROUS TORTUGENSIS BLAISDELL 1923, 406
TRICHODERULUS BLAISDELL 1923, 405
TRICHODERULUS LONGIPILOSUS BLAISDELL 1923, 405
TRICHODESMA CRISTATA HORN 1894, 1935
TRICHODESMA SELLATA HORN 1894, 1935
TRICHODESMA SORDIDA HORN 1894, 1935
TRICHODES PENINSULARIS HORN 1894, 1935
TRICHODON LINEATUS AYRES 1860, 172
TRICHONTA FUSCIVENTRIS VAN DUZEE 1928, 3813
TRICHOPEPLA AURORA VAN DUZEE 1918, 3796
TRICHOPEPLA CALIFORNICA VAN DUZEE 1918, 3796
TRICHOPEPLA GROSSA VAN DUZEE 1918, 3796
TRICHOPEPLA PLEYTO VAN DUZEE 1921, 3798
TRICHOPEPLA VANDYKEI VAN DUZEE 1918, 3796
TRICHOPTERA, 3313, 3314
TRICHOSTEMA LANATUM KELLOGG 1855, 2415, 2526
TRICHOSTEMA OVATUM CURRAN 1885, 917
TRICHOSTEMA PURPUSII BRANDEGEE 1908, 577
TRIDACHIELLA MACFARLAND 1924, 2787
TRIDENS BREVIS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
TRIDENS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317

TRIDENS MELANOPS C.H.EIGENMANN & R.S.EIGENMANN 1889, 1317
TRIENTALIS, 225
TRIEPEOLUS BLAISDELLI COCKERELL & SANDHOUSE 1924, 780
TRIEPEOLUS DIVERSIPES COCKERELL 1924, 780
TRIEPEOLUS HAEMATUTRUS COCKERELL & SANDHOUSE 1924, 780
TRIEPEOLUS LINEATULUS COCKERELL & SANDHOUSE 1924, 780
TRIEPEOLUS MENSAE COCKERELL 1924, 780
TRIEPEOLUS PACIS COCKERELL 1925, 776
TRIEPEOLUS PALLIDIVENTRIS COCKERELL & SANDHOUSE 1924, 780
TRIEPEOLUS SATURNINUS COCKERELL & SANDHOUSE 1924, 780
TRIEPOLUS VANDYKEI COCKERELL & SANDHOUSE 1924, 780
TRIFOLIUM, 389, 1402, 2101, 2131, 2171, 2191
TRIFOLIUM BIFIDUM GRAY 1864, 1626
TRIFOLIUM GRACILENTUM VAR. INCONSPICUUM FERNALD 1894, 1425
TRIFOLIUM MICRODON PILOSUM EASTWOOD 1898, 1125
TRIFOLIUM PAUCIFLORUM KELLOGG 1873, 2569
TRIFOLIUM WILLDENOVII VAR. FIMBRIATUM (LINDL.) EWAN 1943 [COMB. NOV.], 1402
TRIFOLIUM WILLDENOVII VAR. KENNEDIANUM (MCDERM.) EWAN 1943 [COMB. NOV.], 1402
TRIFOLIUM WILLDENOVII VAR. LONGICAULE (WOOT. & STANDL.) BENSON 1945 [COMB. NOV.], 389
TRIFORIS WASHINGTONIANA DICKERSON 1915, 1057
TRIGASTER TOLTECA EISEN 1900, 1343
TRIGLOCHIN, 2087
TRIGLOCHIN CONCINNA VAR. DEBILIS (JONES) HOWELL 1947 [COMB. NOV.], 2087
TRIGLOCHIN CONCINNA VAR. DESERTICOLA (PHIL.) HOWELL 1947 [COMB. NOV.], 2087
TRIGLOCHIN MARITIMUM VAR. DEBILE JONES 1895, 2327
TRIGONODACTYLUS ARABICUS HAAS 1957, 1713
TRIGONODACTYLUS HAAS 1957, 1713
TRIHORA CHAMBERLINI BAKER 1926, 232
TRILLIUM CALIFORNICUM KELLOGG 1860, 2478
TRILOBITES, 3841, 3843
TRIMETOPON POSADASI SLEVIN 1936, 3428
TRIMYTIS CERALBOENSIS BLAISDELL 1943, 410
TRIMYTIS OBTUSA HORN 1894, 1935
TRIMYTIS SUBSENILLIS BLAISDELL 1923, 405
TRINACRIA DECIUSI HANNA 1927, 1734
TRINACRIA TRISTICTIA HANNA 1927, 1734
TRINOTON LITERATUM KELLOGG 1896, 2591
TRIOPA CARPENTERI STEARNS 1873, 3538
TRIOPA CATALINAE COOPER 1863, 821
TRIPHALOPSIS BLAISDELL 1923, 405
TRIPHALOPSIS IMPRESSICOLLIS BLAISDELL 1943, 410
TRIPHALOPSIS MINOR BLAISDELL 1923, 405
TRIPHALOPSIS PARTIDA BLAISDELL 1923, 405
TRIPHALUS CRIBRICOLLIS HORN 1895, 1936
TRIPHALUS IMPRESSIFRONS BLAISDELL 1943, 410
TRIPHALUS SUBCYLINDRICUS BLAISDELL 1923, 405
TRIPHORA CONTRERASI BAKER 1926, 232
TRIPHORA ESCONDIDENSIS BAKER 1926, 232
TRIPHORA EVERMANNI BAKER 1926, 232
TRIPHORA HANNAI BAKER 1926, 232
TRIPHORA JOHNSTONI BAKER 1926, 232
TRIPHORA JOHNSTONI PAZENSIS BAKER 1926, 232
TRIPHORA OWENI BAKER 1926, 232
TRIPHORA SLEVINI BAKER 1926, 232
TRIPHORA VANDUZEEI BAKER 1926, 232
TRIPLICOSTA COOPER 1896, 863
TRIPOPITYS TENUILINEATA HORN 1894, 1935
TRISETUM HOWELLII HITCHCOCK 1935, 1884
TRITELEIA, 1926
TRITELEIA BRIDGESII GREENE 1886, 1641
TRITELEIA CANDIDA GREENE 1886, 1641
TRITELEIA CROCAE GREENE 1886, 1641
TRITELEIA GRACILIS GREENE 1886, 1641
TRITELEIA HOWELLII GREENE 1886, 1641
TRITELEIA HYACINTHINA GREENE 1886, 1641
TRITELEIA IXOIDES GREENE 1886, 1641
TRITELEIA LEMMONAE GREENE 1886, 1641
TRITELEIA LILACINA GREENE 1886, 1641
TRITELEIA LUGENS GREENE 1886, 1641
TRITELEIA PEDUNCULARIS VAR. LONGIPEDICELLATA EASTWOOD 1942, 1236
TRITELEIA PEDUNCULARIS VAR. TRIFIDA EASTWOOD 1942, 1236
TRITHEMIS BASIFUSCA CALVERT 1895, 674
TRITHEMIS MONTEZUMA CALVERT 1899, 675
TRITHYREUS SHOSHONENSIS BRIGGS & HOM 1972, 592
TRITONIA BOLLANDI SMITH & GOSLINER 2003, 3470
TRITONIA PALMERI COOPER 1863, 818
TRITONIA PAPALOTLA BERTSCH & VALDÉS & GOSLINER 2009, 398
TRITOXA POLLINOSA COLE 1919, 788
TRIURIDACEAE, 978
TRIVIA PULLOIDEA DALL & OCHSNER 1928, 954
TRIXIS CALIFORNICA KELLOGG 1862, 2504
TROCHAMMINA ORCHARDENSIS CHURCH 1968, 751
TROCHUS-STRIATULA GARRETT 1857, 1504, 1507
TROGUS PULCHERRIMUS ASHMEAD 1895, 130
TROMBICULA KOOMORI SASA & JAMESON 1954, 3356
TROPHON CERRITENSIS ARNOLD 1903, 126

TROPHON GABBIANA ANDERSON 1905, 45
TROPHON KEEPI STRONG & HERTLEIN 1937, 3602
TROPHON KERNENSIS ANDERSON 1905, 45
TROPHON OREGONENSIS ANDERSON & MARTIN 1914, 53
TROPHON PEDROANA ARNOLD 1903, 126
TROPHON TRIANGULATUS CARPENTER 1866, 700
TROPICOLOTES HETEROPHOLIS MINTON & ANDERSON & ANDERSON 1970, 2939
TROPICOLOTES PERSICUS BAKHTIARI MINTON & ANDERSON & ANDERSON 1970, 2939
TROPICOLOTES PERSICUS EUPHORBIACOLA MINTON & ANDERSON & ANDERSON 1970, 2939
TROPIDONEIS PRIMORIS HANNA 1932, 1737
TROPIOCALOTES LATIFI LEVITON & ANDERSON 1972, 2705
TROPISTERNUS SALSAMENTUS HALL 1901, 1718
TROPITES DILLERI SMITH 1904, 3464
TROPOSPORIUM ALBUM HARKNESS 1884, 1773
TROPOSPORIUM HARKNESS 1884, 1773
TROX GALAPAGOENSIS VAN DYKE 1953, 3818
TRUNCATELLA STIMPSONII STEARNS 1873, 3534
TRUNCATULINA COALINGENSIS CUSHMAN & HANNA 1927, 925
TRYPOXYLON CENTRALE FOX 1895, 1466
TUBER (EUTUBER) CITRINUM HARKNESS 1899, 1789
TUBER (EUTUBER) GIBBOSUM HARKNESS 1899, 1789
TUBER (EUTUBER) MONTICOLUM HARKNESS 1899, 1789
TUBEROLIVACEUM HARKNESS 1899, 1789
TUBER (SPHAEROGASTER) CANDIDUM HARKNESS 1899, 1789
TUBER (SPHAEROGASTER) EISENII HARKNESS 1899, 1789
TUBER (SPHAEROGASTER) OLIVACEUM HARKNESS 1899, 1789
TUBER (SPHAEROTUBER) CALIFORNICUM HARKNESS 1899, 1789
TUBICOLA LOCKINGTON 1877, 2753
TUBICOLA LONGIPES LOCKINGTON 1877, 2753
TULARINA PLUMOSA UBICK & BRIGGS 2008, 3727
TULARINA TULARENSIS UBICK & BRIGGS 2008, 3727
TULARINA UBICK & BRIGGS 2008, 3727
TUNICATES, 3253
TUNISIA, 3059
TUPONIA DUBIOSA VAN DUZEE 1918, 3796
TUPONIA LUCIDA VAN DUZEE 1918, 3796
TUPONIA PALLIDICORNIS VAN DUZEE 1923, 3802
TURBO AGONISTES DALL & OCHSNER 1928, 954
TURBO-MULTILINEATA GARRETT 1857, 1504, 1507
TURBONILLA ADLERI DALL & BARTSCH 1903, 126
TURBONILLA AMORTAJADENSIS BAKER & HANNA & STRONG 1928, 234
TURBONILLA ARNOLDI DALL & BARTSCH 1903, 126
TURBONILLA AURICOMA DALL & BARTSCH 1903, 126
TURBONILLA AZTECA BAKER & HANNA & STRONG 1928, 234
TURBONILLA BARTSCHI SMITH & GORDON 1948, 3449
TURBONILLA CHALCANA BAKER & HANNA & STRONG 1928, 234
TURBONILLA COYOTENSIS BAKER & HANNA & STRONG 1928, 234
TURBONILLA DIEGENSIS DALL & BARTSCH 1903, 126
TURBONILLA EVERMANNI BAKER & HANNA & STRONG 1928, 234
TURBONILLA FACKENTHALLAE SMITH & GORDON 1948, 3449
TURBONILLA FRANCISQUITANA BAKER & HANNA & STRONG 1928, 234
TURBONILLA GONZAGENSIS BAKER & HANNA & STRONG 1928, 234
TURBONILLA GRACILLIMA GABB 1865, 1492
TURBONILLA HANNAI STRONG 1938, 3597
TURBONILLA HERTLEINI JORDAN 1926, 2345
TURBONILLA JOHNSTONI BAKER & HANNA & STRONG 1928, 234
TURBONILLA KERENSIS ANDERSON & HANNA 1925, 51
TURBONILLA LATIFUNDIA DALL & BARTSCH 1903, 126
TURBONILLA LOWEI DALL & BARTSCH 1903, 126
TURBONILLA MADRIELLA STRONG 1938, 3597
TURBONILLA MAYANA BAKER & HANNA & STRONG 1928, 234
TURBONILLA NAHUANA BAKER & HANNA & STRONG 1928, 234
TURBONILLA PAZENSIS BAKER & HANNA & STRONG 1928, 234
TURBONILLA PENTALOPHA DALL & BARTSCH 1903, 126
TURBONILLA PORTERI BAKER & HANNA & STRONG 1928, 234
TURBONILLA (PYRGISCULUS) CLIPPERTONENSIS HERTLEIN & ALLISON 1968, 1872
TURBONILLA STEARNSII DALL & BARTSCH 1903, 126
TURBONILLA STILLMANI SMITH & GORDON 1948, 3449
TURBONILLA TOLTECA BAKER & HANNA & STRONG 1928, 234
TURBONILLA WETMOREI STRONG & HERTLEIN 1937, 3602
TURBONILLA WILLETTI SMITH & GORDON 1948, 3449
TURBO VERMICULOSUS DALL & OCHSNER 1928, 954

TURDUS SEQUOIENSIS BELDING 1889, 373
TURKEY, 759, 3059
TURKMENISTAN, 1594, 3059
TURRIS CARLSONI ANDERSON & MARTIN 1914, 53
TURRIS LINCOLNENSIS ANDERSON & MARTIN 1914, 53
TURRIS PLICATA WARING 1917, 3858
TURRIS PULCHRA DICKERSON 1915, 1057
TURRITELLA BOSEI HERTLEIN & JORDAN 1927, 1873
TURRITELLA CARRISAENSIS ANDERSON & MARTIN 1914, 53
TURRITELLA CONQUISTADORANA HANNA & ISRAELSKY 1925, 1753
TURRITELLA COOPERI CARPENTER 1866, 700
TURRITELLA IMPERIALIS HANNA 1926, 1732
TURRITELLA PARALLELA ANDERSON & HANNA 1935, 52
TURRITELLA PENINSULARIS ANDERSON & HANNA 1935, 52
TURRITELLA REVERSA WARING 1917, 3858
TURRITELLA SARGEANTI ANDERSON & HANNA 1925, 51
TURRITELLA SIMIENSIS WARING 1917, 3858
TURRITELLA UVASANA BICARINATA DICKERSON 1915, 1057
TURRITELLA UVASANA TRICARINATA DICKERSON 1915, 1057
TURSIOPS GILLII DALL 1873, 942
TURTLES, 62, 911, 1068, 1559, 3261, 3758, 3761, 3769, 3771, 3776, 3999
TUSCAN ISLANDS, 219
TYCHE BREVIPOSTRIS LOCKINGTON 1877, 2755
TYCHUS BIPUNCTATUS CASEY 1887, 711
TYCHUS SONOMAE CASEY 1887, 711
TYLOCAPSUS LOPEZI VAN DUZEE 1923, 3802
TYLODINA FUNGINA GABB 1865, 1492
TYPE CATALOG, 123, 666, 713, 1092, 1421, 2410, 3316, 3512, 3513, 3657, 4043, 4044
TYPE LOCALITY, 810, 910, 2066, 2071
TYPHA BRACTEATA GREENE 1887, 1642
TYPHLACONTIAS KATAVIENSIS BROADLEY 2006, 598
TYPHLOBELUS MYERS 1944, 2990
TYPHLOBELUS TERNETZI MYERS 1944, 2990
UBACISI GRISWOLD 2001, 1671
UGYOPS ZOE FENNAH 1956, 1423
ULMUS, 2229
ULOBORUS CALIFORNICUS BANKS 1904, 260
ULOBORUS CREPIDINIS CHAMBERLIN 1924, 717
ULOBORUS OWENI CHAMBERLIN 1924, 717
ULOBORUS SAPHES CHAMBERLIN 1924, 717
ULOMORPHA QUINQUE-CELLULA ALEXANDER 1920, 21
ULOMORPHA VANDUZEEI ALEXANDER 1920, 21
ULOMROPHA NIGRONITIDA ALEXANDER 1920, 21
ULVA DACTYLIFERA SETCHELL & GARDNER 1924, 3387
ULWEMBUA USAMBARA GRISWOLD 2001, 1671
ULWMBUA NIGRA GRISWOLD 2001, 1671
UMBELLULARIA CALIFORNICA VAR. FRESNENSIS EASTWOOD 1945, 1254
UMBRINA SAINALOAE SCOTFIELD 1896, 2334
UMWANI ANYMPHOS GRISWOLD 2001, 1671
UMWANI ARTIGAMOS GRISWOLD 2001, 1671
UMWANI GRISWOLD 2001, 1671
UNITED STATES, 19, 46, 47, 53, 71, 295, 308, 340, 380, 388, 395, 400, 401, 403, 432, 555, 654, 663, 704, 736, 743, 788, 789, 843, 863, 865, 947, 964, 970, 1003, 1055, 1057, 1059, 1110, 1114, 1115, 1116, 1117, 1122, 1123, 1276, 1279, 1284, 1334, 1358, 1403, 1406, 1437, 1443, 1458, 1471, 1475, 1520, 1590, 1670, 1720, 1723, 1754, 1776, 1807, 1829, 1832, 1833, 1907, 1938, 1941, 1944, 2237, 2245, 2258, 2305, 2323, 2340, 2350, 2351, 2352, 2592, 2625, 2626, 2660, 2680, 2731, 2735, 2763, 2764, 2826, 2827, 2831, 2834, 2846, 2852, 2915, 2961, 3070, 3107, 3146, 3156, 3218, 3290, 3343, 3344, 3345, 3350, 3397, 3413, 3439, 3465, 3466, 3488, 3510, 3538, 3544, 3556, 3602, 3617, 3619, 3621, 3625, 3636, 3637, 3672, 3724, 3753, 3765, 3768, 3778, 3782, 3784, 3787, 3788, 3794, 3799, 3815, 3827, 3829, 3843, 3866, 3867, 3868, 3898, 3899, 3914, 3932, 3975, 3989, 4018, 4022
UNITED STATES (WESTERN), 8, 9, 10, 16, 18, 55, 134, 240, 255, 261, 266, 287, 291, 375, 376, 385, 394, 431, 488, 498, 504, 549, 566, 593, 596, 694, 712, 741, 744, 751, 780, 800, 817, 834, 835, 836, 838, 839, 845, 866, 901, 902, 924, 925, 949, 991, 1025, 1029, 1062, 1105, 1111, 1120, 1255, 1256, 1258, 1278, 1280, 1281, 1283, 1285, 1286, 1287, 1288, 1289, 1293, 1295, 1296, 1297, 1298, 1299, 1333, 1343, 1378, 1438, 1453, 1455, 1511, 1513, 1514, 1559, 1560, 1561, 1568, 1591, 1592, 1667, 1669, 1703, 1708, 1726, 1729, 1732, 1734, 1735, 1736, 1737, 1738, 1755, 1758, 1770, 1777, 1826, 1830, 1861, 1898, 1948, 1980, 2242, 2252, 2293, 2296, 2321, 2324, 2326, 2327, 2328, 2330, 2358, 2405, 2506, 2567, 2568, 2569, 2570, 2571, 2572, 2598, 2645, 2649, 2663, 2668, 2671, 2674, 2681, 2683, 2688, 2721, 2722, 2747, 2752, 2788, 2804, 2805, 2807, 2808, 2810, 2817, 2868, 2897, 2896, 2921, 2931, 3033, 3035, 3039, 3041, 3042, 3106, 3144, 3168, 3172, 3246, 3254, 3378, 3389, 3416, 3422, 3440, 3449, 3450, 3460, 3464, 3490, 3539, 3572, 3573, 3577, 3616, 3624, 3659, 3669, 3751, 3755, 3756, 3757, 3758, 3776, 3783, 3803, 3813, 3852, 3889, 3921, 3924, 3945, 3983, 4013, 4030, 4038
UNIVERSITY OF CALIFORNIA BERKELEY, 1358, 1359, 2742
URASPIS REVERSA JORDAN & EVERMANN & WAKIYA 1927, 2339
URASPIS RIUKIUENSIS WAKIYA 1927, 2339
UREDO SCALESIAE BONAR 1939, 486
URGLEPTES KUSCHELI LINSLEY & CHEMSAK 1966, 2739

UROCTONUS GLIMMEI HJELLE 1972, 1897
UROCTONUS MORDAX PLURIDENS HJELLE 1972, 1897
UROLOPHUS HALLERI COOPER 1863, 824
UROLOPHUS ROGERSI JORDAN & STARKS 1895, 2333
UROLOPHUS UMBRIFER JORDAN & STARKS 1895, 2333
UROMYCES BROIEAE ELLIS & HARKNESS 1884, 1347
UROMYCES CHORIZANTHIS ELLIS & HARKNESS 1884, 1347
UROMYCES ERIOGONI ELLIS & HARKNESS 1884, 1347
UROMYCES NEVADENSIS HARKNESS 1884, 1773
UROMYCES SPRAGUEAE HARKNESS 1884, 1773
UROPTERYGIUS GOSLINEI MCCOSKER & RANDALL 1977, 2869
UROPTERYGIUS KAMAR MCCOSKER & RANDALL 1977, 2869
UROSALPINX HANNIBALI DICKERSON 1915, 1057
US GEOLOGICAL SURVEY, 1106
USTILAGO GAYOPHITI HARKNESS 1884, 1773
UTAH, 244, 274, 275, 276, 278, 281, 283, 296, 298, 306, 895, 905, 1114, 1117, 1120, 1122, 1168, 1189, 1199, 1203, 1233, 1237, 1238, 1618, 1623, 1842, 1938, 2023, 2040, 2319, 2326, 2327, 2390, 2795, 2796, 2799, 2800, 2958, 3422, 3766, 3776, 3784, 3886
UTAH MUSEUM OF NATURAL HISTORY, 3352
UTA MARTINENSIS VAN DENBURGH 1905, 3756
UTA MICROSCUTATA VAN DENBURGH 1894, 3744
UTA NOLASCENSIS VAN DENBURGH & SLEVIN 1921, 3791
UTA REPENS VAN DENBURGH 1895, 3747
UTA STELLATA VAN DENBURGH 1905, 3756
UTETHEISA DEVRIESI HAYES 1975, 1804
UTETHEISA PERRYI HAYES 1975, 1804
UVIK GRISWOLD 2001, 1671
UVIK VULGARIS GRISWOLD 2001, 1671
VACUAQUA JORDAN & EVERMANN 1927, 2348
VAEJOVIS ADCOCKI WILLIAMS 1980, 3981
VAEJOVIS ARMADENTIS WILLIAMS 1980, 3981
VAEJOVIS BECHTELI WILLIAMS 1980, 3981
VAEJOVIS DWYERI WILLIAMS 1980, 3981
VAEJOVIS GERTSCHI STRIATUS HJELLE 1972, 1897
VAEJOVIS GIGANTAENSIS WILLIAMS 1980, 3981
VAEJOVIS HARADONI WILLIAMS 1980, 3981
VAEJOVIS HARBISONI WILLIAMS 1980, 3981
VAEJOVIS HEARNEI WILLIAMS 1980, 3981
VAEJOVIS JANSSI WILLIAMS 1980, 3981
VAEJOVIS LITTORALIS WILLIAMS 1980, 3981
VAEJOVIS PACIFICUS WILLIAMS 1980, 3981
VAEJOVIS PATTERSONI WILLIAMS & HARADON 1980, 3981
VAEJOVIS PENINSULARIS WILLIAMS 1980, 3981
VAGINULINA OCTOCOSTATA CHURCH 1968, 751
VALERIANA ADAMSIANA EASTWOOD 1939, 1218
VALERIANA ANOMALA EASTWOOD 1941, 1228
VALERIANA FOLLETTIANA EASTWOOD 1939, 1218
VALERIANA HUMBOLDTIANA EASTWOOD 1939, 1218
VALERIANA MACULATA EASTWOOD 1941, 1228
VALERIANA WHILTONAE EASTWOOD 1941, 1228
VALLESIA LACINIATA BRANDEGEE 1889, 524
VANCOUVER (CAPT. GEORGE), 2003
VANCOUVERIA, 2013
VANCOUVERIA CHRYSANTHA GREENE 1885, 1634
VANCOUVER ISLAND, 1727
VANDERHORSTIA BELLA GREENFIELD & LONGENECKER 2005, 1652
VANDUZEEINA BOREALIS VAN DUZEE 1925, 3804
VANDUZEEINA CALIFORNICA VAN DUZEE 1925, 3804
VASEYANTHUS COGNIAUX 1891, 782
VASEYANTHUS ROSEI COGNIAUX 1891, 782
VEATCHIA CRYSTALLINA KELLOGG 1859, 2460
VEATCHIA GRAY 1884, 1627
VEATCHIA KELLOGG 1859, 2460
VEJOVIS BAERGI WILLIAMS & HADLEY 1967, 3983
VEJOVIS BRUNEUS WILLIAMS 1970, 3977
VEJOVIS CAZIERI WILLIAMS 1968, 3973
VEJOVIS COAHUILAE WILLIAMS 1968, 3973
VEJOVIS COLORADENSIS WILLIAMS 1970, 3978
VEJOVIS DIAZI TRANSMONTANUS WILLIAMS 1970, 3978
VEJOVIS GALBUS WILLIAMS 1970, 3978
VEJOVIS GILVUS WILLIAMS 1968, 3973
VEJOVIS GRANDIS WILLIAMS 1970, 3977
VEJOVIS GRAVICAUDUS WILLIAMS 1970, 3977
VEJOVIS HARBISONI WILLIAMS 1970, 3977
VEJOVIS HOFFMANNI FUSCUS WILLIAMS 1970, 3978
VEJOVIS HOFFMANNI WILLIAMS 1970, 3977
VEJOVIS INSULARIS WILLIAMS 1970, 3977
VEJOVIS MINCKLEYI WILLIAMS 1968, 3973
VEJOVIS MINUTIS WILLIAMS 1970, 3977
VEJOVIS PALLIDUS WILLIAMS 1968, 3973
VEJOVIS PUMILIS WILLIAMS 1970, 3977
VEJOVIS SCHWENKMEYERI WILLIAMS 1970, 3977
VEJOVIS TERRADOMUS WILLIAMS 1970, 3978
VEJOVIS VISCAINENSIS WILLIAMS 1970, 3978
VEJOVIS VITTATUS WILLIAMS 1970, 3977
VEJOVIS WAERINGI WILLIAMS 1970, 3978
VEKUNTA LYRICEN FENNAH 1956, 1423
VEKUNTA NIVEA FENNAH 1956, 1423
VELAEA GLAUCA VAR. PURPURASCENS HOWELL 1939, 2014
VELLICA CASEY 1885, 708
VENERICARDIA PLANICOSTA MERRIAMI DICKERSON 1914, 1055
VENERICARDIA PLANICOSTA VENTURENSIS WARING 1917, 3858

VENEZUELA, 38, 1471, 2990
VENTILABRELLA ORNATISSIMA CUSHMAN & CHURCH 1929, 924
VENTRIFOSSA GOMONI IWAMOTO & WILLIAMS 1999, 2278
VENTRIFOSSA MACRODON SAZONOV & IWAMOTO 1992, 3361
VENTRIFOSSA OBTUSIROSTRIS SAZONOV & IWAMOTO 1992, 3361
VENTRIFOSSA PAXTONI IWAMOTO & WILLIAMS 1999, 2278
VENTRIFOSSA SAZONOVI IWAMOTO & WILLIAMS 1999, 2278
VENTRIFOSSA TERES SAZONOV & IWAMOTO 1992, 3361
VENUS CONRADIANA ANDERSON 1905, 45
VENUS TEMBLORENSIS ANDERSON 1905, 45
VERBASCUM, 520
VERBENA LILACINA GREENE 1885, 1636
VERBESINA EROSA BRANDEGEE 1891, 541
VERBESINA LUISANA BRANDEGEE 1908, 577
VERBESINA OLIGOCEPHALA JOHNSTON 1924, 2313
VERBESINA PURPUSII BRANDEGEE 1908, 577
VERBESINA SCAPOSA JONES 1891, 2320
VERONICA, 1583, 2050
VERONICA FRANCISCANA EASTWOOD 1943, 1243
VERRILLIA BLAKEI STEARNS 1873, 3543
VERTEBRATES, 2, 12, 15, 55, 56, 57, 58, 59, 61, 62, 63, 64, 65, 66, 67, 83, 84, 86, 87, 88, 89, 90, 91, 135, 136, 137, 138, 139, 140, 141, 142, 143, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 160, 161, 162, 164, 165, 166, 168, 169, 170, 171, 172, 173, 174, 175, 176, 178, 179, 180, 182, 183, 184, 185, 186, 187, 188, 189, 190, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 207, 208, 209, 211, 212, 213, 215, 255, 263, 264, 265, 266, 313, 314, 315, 317, 319, 320, 324, 375, 376, 377, 378, 380, 383, 384, 385, 393, 407, 414, 451, 462, 468, 470, 471, 488, 491, 493, 500, 596, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 625, 626, 627, 628, 641, 642, 643, 644, 645, 646, 647, 648, 650, 651, 652, 654, 655, 656, 657, 658, 661, 695, 712, 726, 727, 737, 740, 746, 748, 755, 756, 758, 760, 759, 761, 763, 783, 793, 794, 795, 796, 797, 798, 800, 817, 842, 852, 854, 876, 877, 878, 911, 948, 942, 943, 1032, 1033, 1034, 1035, 1039, 1040, 1047, 1054, 1071, 1072, 1079, 1080, 1081, 1082, 1083, 1095, 1137, 1309, 1310, 1311, 1312, 1313, 1319, 1320, 1321, 1322, 1323, 1342, 1349, 1350, 1351, 1352, 1353, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1399, 1400, 1426, 1427, 1428, 1444, 1447, 1451, 1452, 1453, 1454, 1455, 1468, 1469, 1470, 1474, 1480, 1481, 1501, 1502, 1512, 1515, 1543, 1545, 1547, 1551, 1552, 1554, 1555, 1556, 1559, 1566, 1567, 1568, 1584, 1595, 1596, 1597, 1598, 1624, 1643, 1644, 1653, 1654, 1655, 1658, 1665, 1666, 1667, 1668, 1669, 1670, 1680, 1713, 1717, 1721, 1723, 1750, 1754, 1792, 1794, 1795, 1799, 1803, 1810, 1811, 1819, 1835, 1836, 1837, 1838, 1866, 1904, 1939, 1942, 1943, 2237, 2238, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2239, 2257, 2264, 2265, 2266, 2269, 2273, 2274, 2275, 2276, 2277, 2278, 2285, 2293, 2296, 2298, 2304, 2305, 2306, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2348, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2590, 2600, 2633, 2646, 2647, 2648, 2666, 2667, 2668, 2685, 2689, 2690, 2691, 2701, 2702, 2703, 2704, 2707, 2709, 2710, 2712, 2752, 2756, 2757, 2759, 2760, 2762, 2763, 2764, 2765, 2766, 2767, 2774, 2775, 2776, 2777, 2778, 2803, 2805, 2806, 2807, 2808, 2809, 2810, 2811, 2816, 2833, 2854, 2855, 2856, 2857, 2858, 2859, 2860, 2861, 2867, 2869, 2870, 2873, 2874, 2875, 2877, 2878, 2880, 2883, 2884, 2887, 2891, 2892, 2898, 2899, 2902, 2921, 2922, 2923, 2924, 2925, 2926, 2928, 2934, 2939, 2982, 2983, 2984, 2985, 2987, 2988, 2989, 2990, 2994, 2997, 3006, 3009, 3030, 3031, 3032, 3033, 3035, 3036, 3037, 3039, 3040, 3041, 3045, 3053, 3056, 3057, 3087, 3088, 3134, 3140, 3141, 3143, 3144, 3153, 3154, 3171, 3172, 3174, 3177, 3178, 3179, 3180, 3181, 3184, 3185, 3186, 3244, 3254, 3269, 3272, 3273, 3274, 3275, 3276, 3277, 3278, 3279, 3280, 3281, 3282, 3283, 3298, 3299, 3321, 3345, 3346, 3348, 3358, 3361, 3362, 3365, 3366, 3372, 3380, 3378, 3379, 3381, 3391, 3392, 3396, 3418, 3419, 3420, 3422, 3423, 3424, 3425, 3427, 3428, 3429, 3430, 3431, 3432, 3433, 3435, 3437, 3438, 3467, 3468, 3469, 3475, 3478, 3510, 3511, 3521, 3545, 3560, 3561, 3562, 3571, 3590, 3591, 3615, 3616, 3617, 3618, 3619, 3620, 3621, 3622, 3623, 3629, 3630, 3631, 3632, 3634, 3636, 3637, 3652, 3669, 3708, 3723, 3744, 3745, 3746, 3747, 3748, 3749, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 3757, 3758, 3759, 3760, 3761, 3762, 3763, 3764, 3765, 3766, 3767, 3768, 3769, 3770, 3771, 3772, 3773, 3774, 3775, 3776, 3777, 3778, 3779, 3780, 3781, 3782, 3783, 3784, 3785, 3787, 3788, 3789, 3791, 3792, 3786, 3793, 3826, 3834, 3844, 3845, 3862, 3874, 3878, 3881, 3882, 3933, 3936, 3937, 3993, 3994, 3995, 4008, 4029, 4030
VERTICARIA CERALBENSIS VAN DENBURGH & SLEVIN 1921, 3791
VERTICARIA ESPIRITENSIS VAN DENBURGH & SLEVIN 1921, 3791
VERTICARIA FRANCISCENSIS VAN DENBURGH & SLEVIN 1921, 3791
VERTICARIA HYPERYTHRA SCHMIDTI VAN DENBURGH & SLEVIN 1921, 3791
VERTICARIA PICTA VAN DENBURGH & SLEVIN 1921, 3790
VERTICARIA SERICEA VAN DENBURGH 1895, 3747
VERTIGO CALIFORNICA GUADALUPENSIS PILSBRY 1927, 3120
VERTIGO DEGENERIS PILSBRY 1927, 3120
VETERINARY MEDICINE, 3589
VICIA AMERICANA FORMA ANGUSTA HOOVER

1966, 1934
VICIA AMERICANA FORMA OBLONGA HOOVER 1966 [NOM. NOV.], 1934
VICIA NANA KELLOGG 1877, 2580
VICIA TRUNCATA VAR. VILLOSA KELLOGG 1855, 2435, 2547
VIETEUMA LONGI SHEAR 2002, 3394
VIETNAM, 1657, 3564
VIGUIERA DELTOIDEA VAR. TASTENSIS BRANDEGEE 1901, 568
VIGUIERA? PURISIMAE BRANDEGEE 1889, 524
VIGUIERA (SECT. HELIOMERIS) SOLICEPS BARNEBY 1966, 306
VIGUIERA SIMILIS BRANDEGEE 1908, 577
VILLA ALBICINCTA COLE 1923, 785
VILLA ALBICOLLARIS COLE 1923, 785
VILLA ARENICOLA COLE 1923, 785
VILLA ARIDITATA COLE 1923, 785
VILLA CINEREA COLE 1923, 785
VILLA FLAVICINCTA COLE 1923, 785
VILLA FLAVIPILOSA COLE 1923, 785
VILLA MERIDIONALIS COLE 1923, 785
VILLA NITIDA COLE 1923, 785
VILLA NIVEA COLE 1923, 785
VILLA PENINSULARIS COLE 1923, 785
VILLA QUADRIPUNCTATA COLE 1923, 785
VILLARIUS PRICEI RUTTER 1896, 3345
VILLARIUS RUTTER 1896, 3345
VILLA SINI COLE 1923, 785
VILLA SONORENSIS COLE 1923, 785
VILLA VANDUZEEI COLE 1923, 785
VILLA VASTITITAS COLE 1923, 785
VINCIGUERRIA, 1939
VIOLA, 245
VIOLA ADUNCA VAR. KIRKII DURAN 1966, 1098
VIOLA AUREA KELLOGG 1862, 2505
VIOLA BREVIFOLIA NUTT.? VAR. CALIFORNICA GRAY 1864, 1626
VIOLA CASCADENSIS BAKER 1949, 245
VIOLA CHRYSANTHA VAR. NEVADENSIS KELLOGG 1863, 2509
VIOLA MINIMA BAKER 1949, 244
VIOLA MONTANA KELLOGG 1855, 2427, 2540
VIOLA PURPUREA KELLOGG 1855, 2427, 2540
VIOLA QUERCETORUM BAKER & CLAUSEN 1948, 243
VIOLA SEQUOIENSIS KELLOGG 1862, 2505
VIOLA TOMENTOSA BAKER & CLAUSEN 1949, 244
VIOLA UTAHENSIS BAKER & CLAUSEN 1949, 244
VIREO HUTTONI OBSCURUS ANTHONY 1890, 85
VIRGINIA, 2826, 3108
VIRGIN ISLANDS, 1837
VIRGULARIA ELONGATA GABB 1862, 1486
VIRGULARIA GRACILIS GABB 1864, 1488
VIRGULARIA ORNATA FISHER 1874, 1445
VIRIDINSULA DECEPTOR CURRAN 1934, 913
VISCUM, 2222
VITI ISLAND, 1508
VITIS, 3473
VITRINA PFEIFFERI NEWCOMB 1861, 3000
VITRINELLA UVASULA ANDERSON & HANNA 1925, 51
VIVERO JORDAN & EVERMANN 1927, 2348
VLADICHTHYS GREENFIELD 2006, 1647
VOGDESELLA BAKER 1924, 230
VOJOVIS DIAZI WILLIAMS 1970, 3977
VOLCANOLOGY, 1549, 3737
VOLUCELLA ESTEBANA TOWNSEND 1895, 3674
VOLUCELLA FORNAX TOWNSEND 1895, 3674
VOLUCELLA LUCASANA TOWNSEND 1895, 3674
VOLUCELLA SODOMIS TOWNSEND 1895, 3674
VOLUPIA BOLIVARENSIS ANDERSON 1928, 49
VOLUTA MARTINI DICKERSON 1915, 1057
VOLUTA (SCAPHELLA) STEARNSOO DALL 1872, 936
VOLUTA SLEVINI DICKERSON 1915, 1057
VOLUTOPSIS ATTENUATA DALL 1874, 946
VOLUTOPSIS BERINGI VAR. REGULARIS DALL 1873, 944
VOLVARINA NYSSA ROTH & COEN 1971, 3319
VOLVULELLA LOWEI STRONG & HERTLEIN 1937, 3602
VOZNESENSKI (ILYA GAVRILOVICH), 1990, 2013
WADDEN SEA, 2907
WAHLENBERGIA CALIFORNICA KELLOGG 1862, 2500
WALA PENITENS CHAMBERLIN 1924, 717
WALDHEIMIA KENNEDYI DALL 1874, 949
WALTER (CARL), 2308
WALTER (ERIC CARL), 2308
WASHINGTON, 161, 167, 208, 214, 256, 282, 445, 446, 464, 548, 743, 810, 868, 903, 910, 989, 1057, 1197, 1214, 1234, 1238, 1250, 1261, 1409, 1486, 1554, 1633, 1809, 1842, 1890, 1891, 1910, 1922, 2016, 2086, 2146, 2227, 2237, 2316, 2317, 2334, 2342, 2414, 2525, 2942, 3200, 3218, 3243, 3246, 3334, 3349, 3351, 3357, 3364, 3422, 3488, 3494, 3498, 3499, 3503, 3504, 3510, 3584, 3586, 3637, 3755, 3759, 3776, 3866, 3867, 3868
WASHINGTONIA, 3718
WASHINGTON:OLYMPIC PENINSULA, 2318
WASPS, 472, 1075, 2250, 2735, 3156, 3157, 3158, 3159, 3658, 3945, 3946
WEATHER, 177, 999, 1339
WEEKSIA HOWELLII SETCHELL & GARDNER 1937, 3389
WEEKSIA RETICULATA SETCHELL 1901, 3383
WEEKSIA TEMPLETONII SETCHELL & GARDNER 1937, 3389
WEST INDIES, 1314, 1471
WHALES, 937, 1754, 4030
WHITE FRIAS ISLAND, 742
WILCOXIA DIGUETII (WEBER) PEEBLES 1949 [COMB. NOV.], 3098

WILCOXIUS ACUTULUS MARTIN 1975, 2831
WILCOXIUS CRENUS MARTIN 1975, 2831
WILCOXIUS MARTIN 1975, 2831
WILCOXIUS TRUNCUS MARTIN 1975, 2831
WILLIAMS (FRANCIS XAVIER), 96
WILLOWSIELLA DISPAR WHEELER 1934, 3893
WILLOWSIELLA WHEELER 1934, 3893
WINE GRAPES, 434, 438, 439
WIRTH (WILLIS WAGNER), 110, 116, 117
WISSADULA CONFERTA BRANDEGEE 1908, 577
WISSADULA ELONGATA BRANDEGEE 1905, 573
WISSADULA INCANA BRANDEGEE 1905, 573
WITHIUS CACTORUM CHAMBERLIN 1923, 715
WORKSHOP, 1449, 2623, 2624, 2907, 2912, 3565, 3576, 3729, 3943
WYETHIA RETICULATA GREENE 1884, 1633
WYLIEA MARTIN 1975, 2831
WYOMING, 332, 902, 1846, 2214, 2393, 2797, 3137, 3397, 3611, 3969
XANTHIOPYXIS GRANTI HANNA 1927, 1734
XANTHIOPYXIS HIRSUTA HANNA & GRANT 1926, 1748
XANTHIOPYXIS LOHMANI HANNA 1970, 1743
XANTHIOPYXIS MACULATA HANNA 1932, 1737
XANTHIOPYXIS MARGINATA HANNA 1932, 1737
XANTHOCHROA CENTRALIS HORN 1896, 1938
XANTHOCHROA MARINA HORN 1896, 1938
XANTHOCHROA TESTACEA HORN 1896, 1938
XANTHODES? ANGUSTUS LOCKINGTON 1877, 2758
XANTHODES LATIMANUS LOCKINGTON 1877, 2750
XANTHODES LEOCOMANUS LOCKINGTON 1877, 2750
XANTHODES ? NOVEM-DENTATUS LOCKINGTON 1877, 2750
XANTHO GRANDIMANUS LOCKINGTON 1877, 2758
XANTHO MULTIDENTATUS LOCKINGTON 1877, 2751
XANTHO SPINI-TUBERCULATUS LOCKINGTON 1877, 2750
XANTHO TENUIDACTYLOS LOCKINGTON 1877, 2758
XANTHOXYLUM PENINSULARE BRANDEGEE 1908, 577
XANTUSIA GILBERTI VAN DENBURGH 1895, 3747
XANTUS (JOHN), 537
XENAPLOACTIS CAUTES POSS & ESCHMEYER 1980, 3141
XENAROSWELLANINI ERWIN 2007, 1362
XENAROSWELLIANA DELTAQUADRANT ERWIN 2007, 1362
XENAROSWELLIANA ERWIN 2007, 1362
XENERETMUS INFRASPINATUS GILBERT 1904, 1554
XENOCOCCUS ANGULATUS SETCHELL & GARDNER 1937, 3389
XENOCOCCUS DEFORMANS SETCHELL & GARDNER 1924, 3387
XENOCOCCUS ENDOPHYTICUS SETCHELL & GARDNER 1937, 3389
XENOCOENOSIA DEVIA CURRAN 1934, 913
XENOMYDAEA ARMATIPES FUSCIPES HUCKETT 1966, 2248
XENOMYDAEA MACULIPENNIS HUCKETT 1966, 2248
XEROBATES AGASSIZII COOPER 1861, 817
XERODESMUS CHAMBERLIN 1923, 716
XERODESMUS MULEGENSIS CHAMBERLIN 1923, 716
XESTOBIUM ELEGANS HORN 1894, 1935
XESTOCHILUS MCCOSKER 1998, 2860
XESTOLEBERIS HOPKINSI SKOGSBERG 1950, 3416
XESURUS HOPKINSI GILBERT & STARKS 1904, 1555
XIPHISTES JORDAN & STARKS 1895, 2342
XIPHISTES ULVAE JORDAN & STARKS 1895, 2342
XIPHOMYRMEX SPINOSUM PERGANDE 1895, 3114
XIPHOSEMBIA AMAPAE ROSS 2001, 3308
XUREL JORDAN & EVERMANN 1927, 2348
XYLASANDRUS MIXTUS (SCHEDL) DOLE & COGNATO 2010 [COMB. NOV.], 1074
XYLASANDRUS ROTUNDICOLLIS (BROWNE) DOLE & COGNATO 2010 [COMB. NOV.], 1074
XYLASANDRUS RUSSULUS (SCHEDL) DOLE & COGNATO 2010 [COMB. NOV.], 1074
XYLOCORIS UMBRINUS VAN DUZEE 1921, 3800
XYLOPHILUS BRUNNESCENS HALL 1901, 1718
XYLOPHILUS CONSTRICTUS HALL 1901, 1718
XYLOPHILUS NUCLEUS HALL 1901, 1718
XYLOSANDRUS, 1074
XYLOSANDRUS AMPUTATUS (BLANDFORD) DOLE & COGNATO 2010 [COMB. NOV.], 1074
XYLOSANDRUS BORNEENSIS DOLE & COGNATO 2010, 1074
XYLOSANDRUS HULCRI DOLE & COGNATO 2010, 1074
XYLOTA BIVITTATA LOVETT 1920, 2780
XYLOTA SCUTELLARMATA LOVETT 1919, 788
XYSTES AXINOPHRYS JORDAN & STARKS 1895, 2342
XYSTES JORDAN & STARKS 1895, 2342
XYSTICUS APERTUS BANKS 1898, 259
XYSTICUS CURTUS BANKS 1898, 259
XYSTICUS FISSILIS BANKS 1898, 259
XYSTICUS ORIZABA BANKS 1898, 259
XYSTOTHECA HANNA 1932, 1737
XYSTOTHECA HUSTEDTI HANNA 1932, 1737
YEMEN, 3054
YIRRKALA MOOREI MCCOSKER 2006, 2863
YOLDIA COOPERII GABB 1865, 1492
YOLDIA NEWCOMBI ANDERSON & MARTIN 1914, 53
YOLDIA TEMBLORENSIS ANDERSON & MARTIN 1914, 53
YUCCA VALIDA BRANDEGEE 1889, 524

YUMATES ANGELA CHAMBERLIN 1924, 717
YUMATES CHAMBERLIN 1924, 717
YUMATES NESOPHILA CHAMBERLIN 1924, 717
YUNNAN PROVINCE, 724, 2361, 2885, 4031
ZABROPS JANICEAE FISHER 1977, 1443
ZABROPS TAGAX ARGATUS FISHER 1977, 1443
ZABROPS THOLOGASTER FISHER 1977, 1443
ZABROPS WILCOXI ARROYALIS FISHER 1977, 1443
ZABROPS WILCOXI FISHER 1977, 1443
ZABROPS WILCOXI PLAYALIS FISHER 1977, 1443
ZABROPS WILCOXI WILCOXI FISHER 1977, 1443
ZAIREICHTHYS HETERURUS ROBERTS 2003, 3281
ZALARGES JORDAN & STARKS 1895, 2342
ZALARGES NIMBARIUS JORDAN & WILLIAMS 1895, 2342
ZAPOTECIA AMECA-MECAE EISEN 1900, 1343
ZAPOTECIA EISEN 1900, 1343
ZAPRORA JORDAN 1896, 2334
ZAPRORA SILENUS JORDAN 1896, 2334
ZASCELIS OBLONGA HORN 1895, 1936
ZATHAUMA METASEQUOIAE FENNAH 1956, 1423
ZELOTES CALVANISTICUS CHAMBERLIN 1924, 717
ZELOTES CATHOLICUS CHAMBERLIN 1924, 717
ZELOTES FEMORALIS BANKS 1904, 260
ZELOTES MACULATA BANKS 1904, 260
ZELOTES MONACHUS CHAMBERLIN 1924, 717
ZELOTES PACIFICA BANKS 1904, 260
ZELOTES PROTESTANS CHAMBERLIN 1924, 717
ZELOTES REFORMANS CHAMBERLIN 1924, 717
ZEMA FENNAH 1956, 1423
ZEMA GRESSITTI FENNAH 1956, 1423
ZEPHYRANTHES ARENICOLA BRANDEGEE 1889, 524
ZIMIRIS GRISEUS BANKS 1898, 259
ZODION ALBIFACIES VAN DUZEE 1927, 3812
ZODION ANGUSTICORNIS VAN DUZEE 1927, 3812
ZODION BASALIS VAN DUZEE 1927, 3812
ZODION BILINEATA VAN DUZEE 1927, 3812
ZODION CINEREIVENTRIS VAN DUZEE 1927, 3812
ZODION HIRTIPES VAN DUZEE 1927, 3812
ZONORCHIS MEYERI VERCAMMEN-GRANDJEAN 1966, 3830
ZOOLOGICAL STATIONS, 1677
ZOOLOGY, 2, 7, 9, 12, 14, 15, 17, 21, 22, 25, 55, 56, 57, 58, 59, 61, 62, 63, 64, 65, 66, 67, 71, 83, 84, 85, 86, 87, 88, 89, 90, 91, 96, 123, 129, 130, 132, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 207, 208, 209, 210, 211, 212, 213, 214, 215, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 255, 256, 257, 258, 260, 261, 262, 263, 264, 265, 266, 307, 309, 313, 314, 315, 317, 319, 320, 324, 339, 340, 341, 350, 351, 358, 359, 360, 362, 364, 365, 368, 370, 371, 372, 375, 376, 377, 378, 379, 380, 383, 384, 385, 391, 393, 394, 395, 396, 400, 401, 404, 405, 406, 407, 408, 409, 410, 413, 414, 428, 429, 461, 468, 470, 471, 488, 491, 493, 494, 495, 500, 578, 579, 588, 589, 590, 591, 592, 593, 594, 596, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 622, 625, 626, 627, 628, 641, 642, 643, 644, 645, 646, 647, 648, 650, 651, 652, 654, 655, 656, 657, 658, 661, 662, 666, 669, 674, 675, 676, 677, 678, 693, 695, 700, 701, 705, 706, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 726, 727, 737, 738, 739, 740, 743, 744, 746, 748, 755, 756, 758, 760, 759, 761, 771, 772, 774, 775, 776, 777, 778, 779, 780, 783, 785, 786, 787, 788, 789, 790, 791, 793, 794, 795, 796, 797, 798, 817, 818, 819, 821, 822, 823, 824, 825, 826, 827, 828, 834, 835, 840, 842, 843, 844, 845, 846, 851, 852, 853, 854, 855, 856, 857, 858, 860, 861, 862, 865, 866, 870, 876, 877, 878, 911, 912, 913, 914, 923, 926, 948, 930, 931, 932, 937, 942, 943, 944, 946, 947, 952, 953, 955, 1032, 1033, 1034, 1035, 1039, 1040, 1045, 1047, 1053, 1054, 1055, 1061, 1071, 1072, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1095, 1096, 1097, 1104, 1137, 1276, 1277, 1278, 1279, 1280, 1281, 1283, 1284, 1285, 1286, 1288, 1289, 1290, 1293, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1329, 1332, 1333, 1335, 1336, 1337, 1338, 1342, 1343, 1348, 1349, 1350, 1351, 1352, 1353, 1361, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1399, 1400, 1405, 1406, 1411, 1410, 1412, 1413, 1414, 1417, 1419, 1420, 1421, 1423, 1424, 1426, 1427, 1428, 1432, 1435, 1439, 1443, 1444, 1445, 1447, 1451, 1452, 1453, 1454, 1455, 1458, 1462, 1463, 1464, 1465, 1466, 1468, 1469, 1470, 1471, 1472, 1474, 1475, 1480, 1481, 1486, 1487, 1488, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1543, 1544, 1545, 1546, 1547, 1548, 1550, 1551, 1552, 1554, 1555, 1556, 1559, 1566, 1567, 1568, 1572, 1584, 1586, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1605, 1606, 1607, 1608, 1609, 1611, 1613, 1614, 1615, 1616, 1617, 1624, 1630, 1631, 1643, 1644, 1645, 1646, 1647, 1648, 1651, 1652, 1653, 1654, 1655, 1658, 1661, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1676, 1680, 1703, 1708, 1713, 1717, 1718, 1721, 1723, 1727, 1728, 1729, 1730, 1735, 1739, 1742, 1746, 1751, 1752, 1754, 1755, 1756, 1757, 1758, 1759, 1767, 1768, 1792, 1794, 1795, 1799, 1803, 1804, 1805, 1806, 1807, 1808, 1810, 1811, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1829, 1835, 1836, 1837, 1838, 1853, 1862, 1864, 1865, 1866, 1870, 1872, 1877, 1900, 1904, 1906, 1907, 1908, 1909, 1910, 1936, 1937, 1938, 1939, 1941, 1942, 1943, 1944, 2237, 2238, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2239, 2248, 2249, 2257, 2259, 2260, 2261, 2264, 2265, 2266, 2267, 2268, 2269, 2271, 2273, 2274, 2275, 2276, 2277, 2278, 2285, 2291, 2292,

2293, 2296, 2298, 2304, 2305, 2306, 2307, 2310, 2311, 2312, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2348, 2350, 2351, 2352, 2353, 2354, 2360, 2363, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2599, 2601, 2603, 2604, 2607, 2608, 2614, 2616, 2631, 2632, 2633, 2634, 2637, 2643, 2644, 2646, 2647, 2648, 2649, 2666, 2667, 2668, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2685, 2689, 2690, 2691, 2701, 2702, 2703, 2704, 2705, 2707, 2708, 2709, 2710, 2712, 2716, 2720, 2721, 2722, 2723, 2725, 2732, 2733, 2735, 2736, 2737, 2738, 2739, 2740, 2741, 2747, 2748, 2749, 2750, 2751, 2752, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2760, 2762, 2763, 2764, 2765, 2766, 2767, 2774, 2775, 2776, 2777, 2778, 2780, 2787, 2788, 2789, 2791, 2793, 2803, 2804, 2805, 2806, 2807, 2808, 2809, 2810, 2811, 2814, 2815, 2816, 2824, 2827, 2829, 2830, 2832, 2833, 2839, 2846, 2854, 2855, 2856, 2857, 2858, 2859, 2860, 2861, 2862, 2863, 2864, 2867, 2868, 2869, 2870, 2873, 2874, 2875, 2877, 2878, 2880, 2883, 2884, 2887, 2891, 2892, 2897, 2896, 2898, 2899, 2902, 2909, 2910, 2921, 2922, 2923, 2924, 2925, 2926, 2929, 2930, 2928, 2934, 2936, 2939, 2944, 2945, 2963, 2965, 2966, 2981, 2982, 2983, 2984, 2985, 2987, 2988, 2989, 2990, 2994, 2996, 2997, 2998, 2999, 3000, 3002, 3004, 3005, 3006, 3009, 3012, 3013, 3030, 3031, 3032, 3033, 3035, 3036, 3037, 3039, 3040, 3041, 3045, 3046, 3053, 3054, 3056, 3057, 3085, 3087, 3088, 3089, 3107, 3109, 3112, 3113, 3114, 3115, 3116, 3117, 3120, 3132, 3134, 3140, 3141, 3143, 3144, 3149, 3153, 3154, 3156, 3157, 3158, 3159, 3160, 3170, 3171, 3172, 3174, 3177, 3178, 3179, 3180, 3181, 3184, 3185, 3186, 3187, 3230, 3231, 3232, 3236, 3244, 3245, 3246, 3247, 3252, 3253, 3254, 3255, 3257, 3258, 3262, 3263, 3264, 3265, 3266, 3267, 3268, 3269, 3271, 3272, 3273, 3274, 3275, 3276, 3277, 3278, 3279, 3280, 3281, 3282, 3283, 3284, 3285, 3286, 3290, 3298, 3299, 3303, 3304, 3305, 3306, 3307, 3308, 3313, 3316, 3317, 3319, 3321, 3322, 3343, 3344, 3345, 3346, 3348, 3353, 3354, 3355, 3356, 3358, 3359, 3360, 3361, 3362, 3365, 3366, 3369, 3370, 3372, 3373, 3374, 3380, 3378, 3379, 3381, 3382, 3391, 3392, 3393, 3396, 3410, 3411, 3412, 3413, 3414, 3415, 3416, 3418, 3420, 3422, 3423, 3424, 3425, 3427, 3428, 3429, 3430, 3431, 3432, 3433, 3435, 3437, 3438, 3439, 3440, 3441, 3442, 3443, 3444, 3446, 3448, 3449, 3450, 3452, 3461, 3462, 3463, 3467, 3468, 3469, 3470, 3475, 3476, 3477, 3478, 3485, 3487, 3490, 3507, 3510, 3511, 3512, 3513, 3514, 3515, 3516, 3517, 3518, 3520, 3521, 3522, 3523, 3524, 3526, 3527, 3537, 3538, 3539, 3541, 3542, 3543, 3545, 3546, 3560, 3561, 3562, 3566, 3570, 3571, 3572, 3573, 3577, 3590, 3591, 3595, 3596, 3597, 3598, 3599, 3600, 3601, 3602, 3604, 3615, 3616, 3617, 3618, 3619, 3620, 3621, 3622, 3623, 3629, 3630, 3631, 3632, 3634, 3636, 3637, 3652, 3656, 3657, 3658, 3659, 3663, 3666, 3668, 3669, 3670, 3672, 3674, 3675, 3676, 3684, 3693, 3694, 3702, 3708, 3722, 3723, 3726, 3728, 3733, 3738, 3739, 3740, 3741, 3742, 3744, 3745, 3746, 3747, 3748, 3749, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 3757, 3758, 3759, 3760, 3761, 3762, 3764, 3765, 3766, 3767, 3768, 3769, 3770, 3771, 3772, 3773, 3774, 3775, 3776, 3777, 3778, 3779, 3780, 3781, 3782, 3783, 3784, 3785, 3787, 3788, 3789, 3791, 3792, 3786, 3793, 3794, 3795, 3796, 3797, 3798, 3799, 3800, 3801, 3802, 3803, 3804, 3805, 3806, 3807, 3808, 3809, 3810, 3811, 3812, 3813, 3814, 3815, 3816, 3817, 3818, 3826, 3830, 3833, 3834, 3835, 3844, 3845, 3846, 3857, 3862, 3874, 3878, 3888, 3889, 3890, 3891, 3892, 3893, 3903, 3925, 3928, 3929, 3930, 3932, 3933, 3934, 3936, 3937, 3944, 3945, 3946, 3947, 3948, 3949, 3950, 3951, 3952, 3953, 3958, 3960, 3961, 3963, 3964, 3966, 3967, 3972, 3973, 3974, 3975, 3976, 3977, 3978, 3979, 3980, 3981, 3983, 3991, 3992, 3993, 3995, 4008, 4009, 4010, 4013, 4014, 4019, 4020, 4024, 4025, 4026, 4027, 4028, 4029, 4036, 4037, 4038, 4039, 4040, 4041, 4043, 4044, 4045

ZOOPHYTES, 3684, 3685, 3702, 3703

ZORAMIA FLEBILA GREENFIELD & LANGSTON & RANDALL 2005, 1651

ZORAMIA VIRIDIVENTER GREENFIELD & LANGSTON & RANDALL 2005, 1651

ZORAPTERA, 1707

ZUMA TIOGA BRIGGS 1971, 590

ZYGADENUS FONTANUS EASTWOOD 1937, 1201